Sample	Base materials	Print materials	Coating	Application	
Sample r	no. 001	Sample name St	itched regu	lar diamond	
E					
			~		
Date 1	7/10/2005				

Base Material ID	JL1001		Material st Material finish Material stretch	ned size	35w x 39.5h 22w x 36h x 1.3d -	
Print material	none					
Coating	none					
Techniques used		O Silk-screen O Transfer Pr			inate ●Heat set er cut OOther	
Production description	Stitched in regular pattern inspired by seamless tucks described in 'Art of Manipulating Fabric' by Colette Wolff.			of		
Finishing process	Steamed at atmospheric pressure @ 100°c x 15 mins					
Positive outcomes & observations	An elastic fabric with a pleasant handle. The regular grid of the stitches creates a particular type of fold that repeats (with slight variation as inevitable given the malleability of the cloth) over the whole surface.					
Problems encountered	Fabric wil even stitc		ashed to remov	ve the ch	nalk grid drawn to ensure	3
Future amendments		ety of stitch pa be achieved.	tterns to explor	e the va	ariations in fabric behavic	our

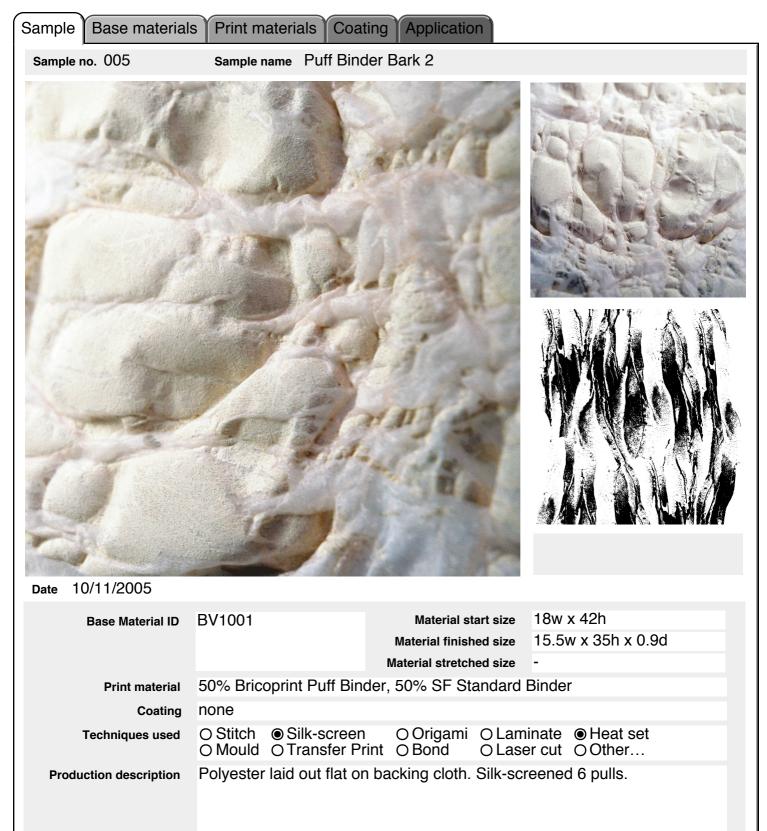
Sample Base materia	Is Print materials Coat	ing Application	
Sample no. 002	Sample name Stitched	variegated diamond	
Date 24/10/2005			
Base Material ID	JL1001	Material start size	29.75w x 25.5h
		Material finished size	18.5w x 24h x 1d
		Material stretched size	-
Print material	none		
Coating	none		
Techniques used	Stitch O Silk-screen O Mould O Transfer Pr	OOrigami OLan int OBond OLas	ninate Heat set er cut Other
Production description	Stitched in regular patte Manipulating Fabric' by	rn inspired by seamles Colette Wolff.	ss tucks described in 'Art of
Finishing process	Steamed at atmospheric	c pressure @ 100°c x	15 mins
Positive outcomes & observations	An elastic fabric with a p	pleasant handle. Move	ment from regular to more ss the surface has potential

Problems encountered Fabric will need to be washed to remove the chalk grid drawn to ensure even stitching.

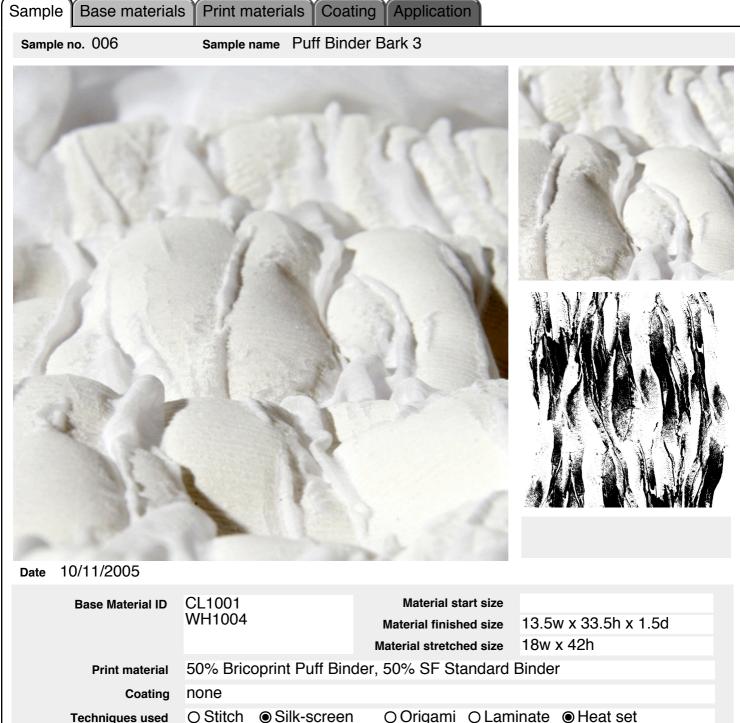
Future amendments Continue to explore a variety of stitch patterns.

Sample	Base material	s Print materials Coat	ing Application	
Sample r	10. 003	Sample name Stitched	irregular wave	
Date 10	0/02/2006			<image/>
	Base Material ID	WH1001	Material start size Material finished size Material stretched size	33w x 49h 25w x 39h x 0.5d -
	Print material	none		
	Coating	none		
	Techniques used	Stitch O Silk-screen O Mould O Transfer Pr		ninate Heat set other
Produ	ction description	Stitched in irregular path Manipulating Fabric' by	tern inspired by seamle Colette Wolff.	ess tucks described in 'Art of
F	inishing process	Steamed at atmospherie	c pressure @ 100°c x [·]	15 mins
Р	ositive outcomes & observations	The organic developme the fabric more or less e purpose.	nt of the stitch lines giv elastic in certain areas,	ves the opportunity to make as required for the
Proble	ems encountered			
Fut	ure amendments	Try to combine both the sample for an even mor	regular and irregular s re varied surface.	stitching on the same

Sample Base materia	ls Print materials Coat	ing Application	
Sample no. 004	Sample name Puff Bind	ler Bark 1	
Date 10/11/2005			<image/>
Base Material ID	WH1001	Material start size	18w x 42h
	WH1002 WH1003	Material finished size	16w x 39h x 1d
		Material stretched size	•
Print material	50% Bricoprint Puff Bind	der, 50% SF Standard	Binder
Coating	none O Stitch		ninata Allant sat
Techniques used	O Mould O Transfer Pr		er cut OOther
Production description	Sateen glacier laid flat a strips over glacier. Silk-s	as base layer, crystal o screened 5 pulls.	rganza and voile laid in
Finishing process	Heat gun to set puff bind	der and buckle substra	te (approx 5 mins)
Positive outcomes & observations	The back (un-printed) si series of wrinkles. Printe		come permanently set in a
Problems encountered	Lumpy & unattractive or Bond between fabrics is		nor 3-D results achieved.
Future amendments	Look for alternative bind	lers to achieve a strong	ger bond between fabrics.



Finishing process
Positive outcomes
& observationsHeat gun to set puff binder and buckle substrate (approx 5 mins)
Once heat started to affect the substrate satisfactory 3-D results were
achieved.Problems encountered
Future amendmentsPuff binder alone on this substrate was not enough to create a particularly
3-D effect.



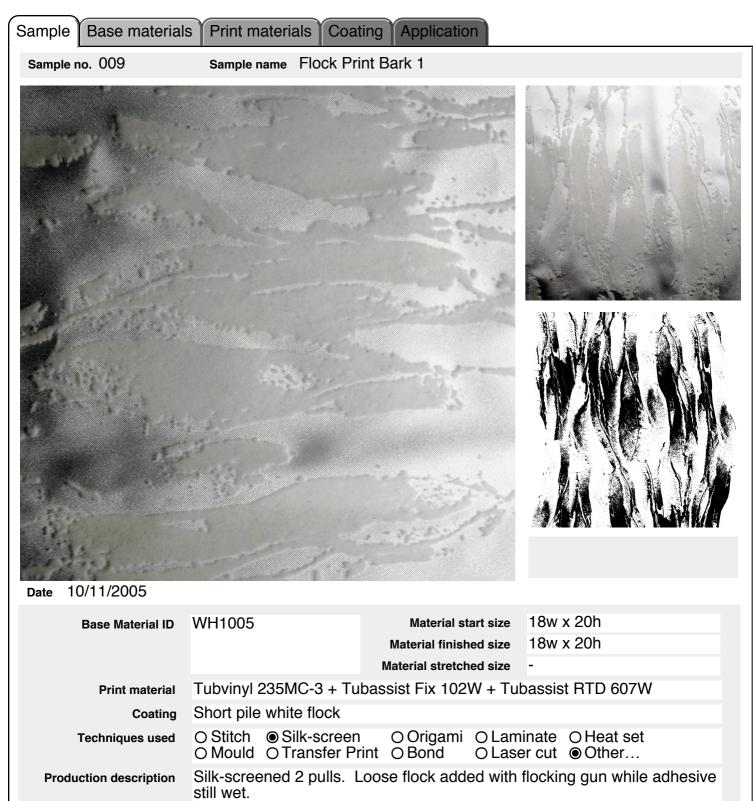
rechniques useu		O Transfer Print			
Production description	Lycra stre	etched under tens	ion horizonta	ally and vertic	ally before printing.

Silk-screened 10 pulls. Tension released before finishing.
Sik-screened to pulls. Tension released before infisting.

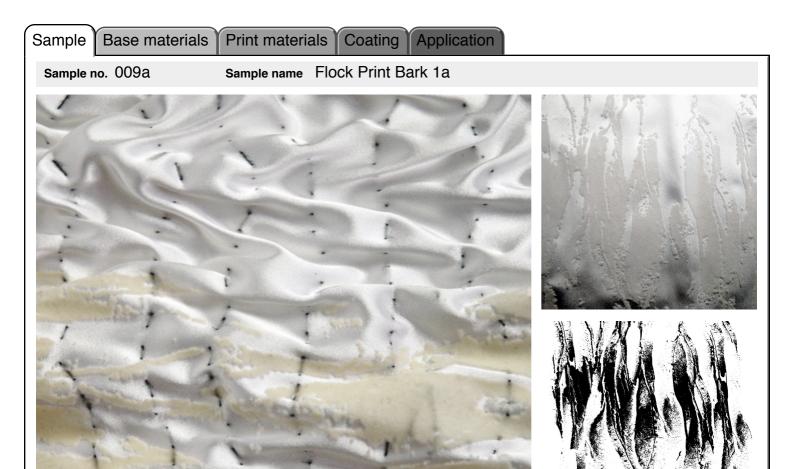
Finishing process	Heat gun to set puff binder (approx 5 mins)
Positive outcomes & observations	Has created a significant raised and undulating surface to the fabrics.
Problems encountered	Bond between fabrics is not permanent (they can be peeled apart with some effort).
Future amendments	Try flocking into surface to improve handle of printed areas.

Sample Base materials	s Print materials Coat	ting Application	
Sample no. 007	Sample name Adhesive	e Print Bark	
Date 10/11/2005			<image/>
Base Material ID	CL1001	Material start size Material finished size Material stretched size	13.5w x 34h x 0.8d 18w x 42h
Print material	Tubvinyl 235MC-3		
Coating	none		
Techniques used	O Stitch O Silk-screen	OOrigami OLam rint OBond OLas	ninate OHeat set er cut OOther
Production description	Lycra stretched under te Silk-screened 3 pulls. Te	ension horizontally and ension released before	d vertically before printing. e finishing.
Finishing process	Baked @ 150°c x 15 mi	ns	
Positive outcomes & observations	Creates soft edged folds unpleasantly crusty as p	s and blisters across th Digment binders.	ne fabric surface. Not as
Problems encountered	Had meant to use foiling	g adhesive but made a	in error.
Future amendments	Try using foiling glue an	nd/ or foiling the sample	Э.

Sample Base material	s Print materials Coa	ting Application	
Sample no. 008	Sample name Emboss	ing Powder Pigment Pr	int Bark
Date 10/11/2005			<image/>
Base Material ID	WH1005	Material start size	18w x 42h
		Material finished size Material stretched size	18w x 42h -
Print material	Bricoprint SF Standard	Binder (+)	
Coating	none		
Techniques used	O Stitch		ninate OHeat set er cut OOther
Production description	Silk-screened 2 pulls.		
Finishing process	Baked @ 150°c x 15 m	ins	
Positive outcomes & observations	Creates extremely subt	le pattern on surface of	i fabric.
Problems encountered	Embossed results not c	liscernable.	
Future amendments	Add higher proportion c	of embossing powder.	

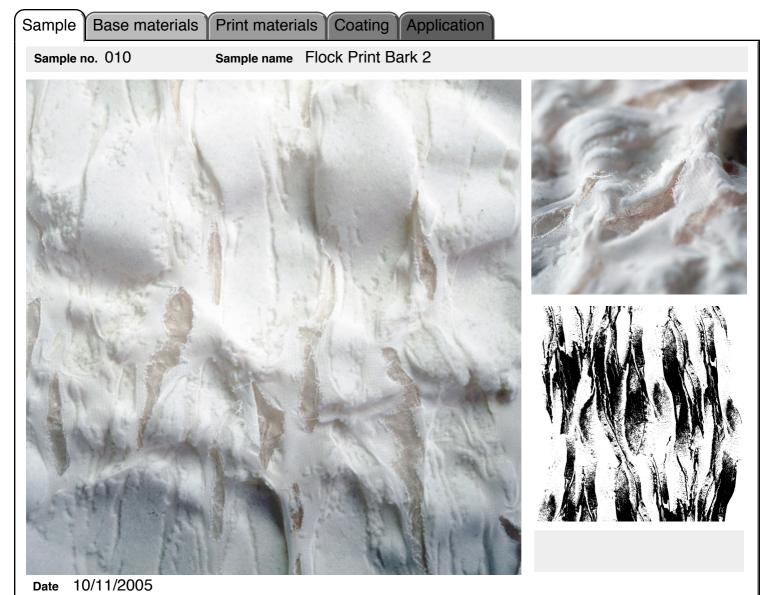


Finishing process	Baked @ 150°c x 15 mins
Positive outcomes & observations	Flock adheres well to satin and creates a contrasting surface.
Problems encountered	No (or extremely minimal) 3-D element .
Future amendments	Stitch and heat set surface.



Date	10/11/2005
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Base Material ID	WH1005	Material start s Material finished s Material stretched s	size 2		x 35h x 18.5h x 1.8d
Print material	Tubvinyl 235MC-3 + Tu		0.20	assis	t RTD 607W
Coating	Short pile white flock				
Techniques used	 Stitch Silk-screen Mould Transfer 				
Production description	Silk-screened 2 pulls. Loose flock added with flocking gun while adhesive still wet. Baked @ 150°c x 15 mins. Sample then stitched and baked to set shape.				
Finishing process	Baked @ 150°c x 15 m	ns			
Positive outcomes & observations	Varied undulations of s	urface on printed a	and nor	n-prir	nted sections.
Problems encountered	Temp too hot for final b sublimated onto fabric.	ake. Flock discolou	ured ar	nd th	read dye colour has
Future amendments	Use a lower temp for fir	al bake and white	thread	l to s	titch shape.

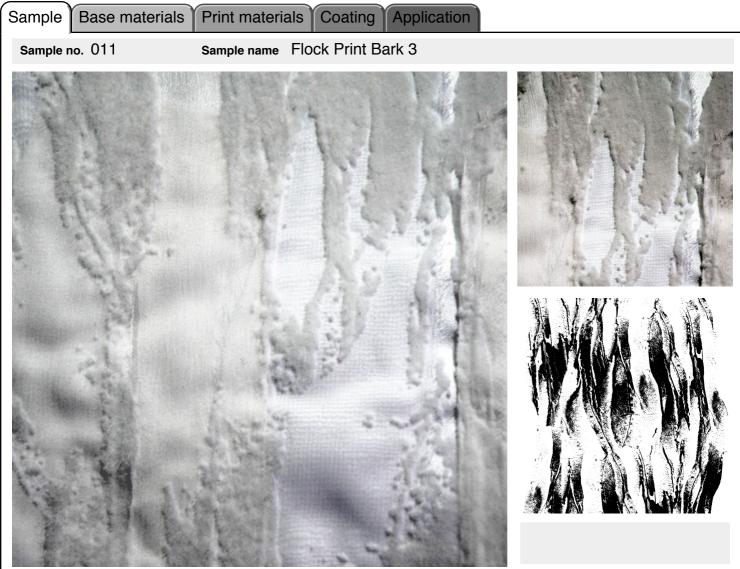


Base Material ID	BV1001 WH1003	Material start size Material finished size Material stretched size	18w x 42h 14.5w x 35h x 1.5d
	T : 005140 0 T		
Print material	Tubvinyl 235MC-3 + Tu	bassist Fix 102W + Tul	bassist RID 607W
Coating	Short pile white flock		
Techniques used	O Stitch		inate
Production description	Fabric layered WH1003 time 2 pulls. Loose floc Baked @ 150°c x 15 mi	k added with flocking g	vers silk-screened at same oun while adhesive still wet.
Finishing process	Heat gun played over s	urface to further shrink	WH1003
Positive outcomes & observations		fect. On final heating so	ble shrink rates of the 2 ome of the polyester voile abric in places
Problems encountered	Not a great deal of 3-D perhaps preventing WH		final heating. BV1001 is tis full potential
Future amendments	Remove BV1001 prior t	o final heat treatment	



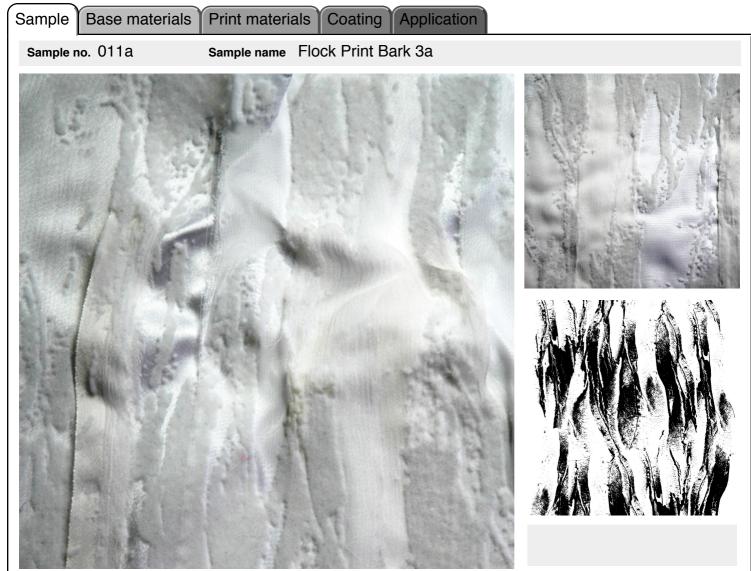
Date 10/11/2005

Base Material ID	BV1001 WH1003	Material start size Material finished size Material stretched size	16w x 15h 14.5w x 14h x 0.8d
Print material	Tubvinyl 235MC-3 + Tu	bassist Fix 102W + Tu	ubassist RTD 607W
Coating	Short pile white flock		
Techniques used	O Stitch		
Production description	time 2 pulls. Loose floc	k added with flocking	yers silk-screened at same gun while adhesive still wet. vay from WH1003 prior to
Finishing process	Heat gun		
Positive outcomes & observations	WH1003 shrinks and but the 3-D effect is not as		away into holes, however previous sample
Problems encountered	Heat treatment has slig	ntly discoloured the wh	nite flock
Future amendments	Lower temperature or d	uration of heat treatme	ent



Date 10/11/2005	Date	10/11	/2005
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Base Material ID	WH1005 WH1003 WH1004	Material start size Material finished size Material stretched size	18w x 42h 18w x 42h x 0.1d -
Print material	Tubvinyl 235MC-3 + Tu	bassist Fix 102W + Tul	bassist RTD 607W
Coating	Short pile white flock/ lo	ng pile white flock	
Techniques used	O Stitch		
Production description			abrics laid on top. All layers ed with flocking gun while
Finishing process	Baked @ 150°c x 15 m	ins.	
Positive outcomes & observations	No 3-D effect beyond th flocked coating	e extra thickness adde	ed to the fabric by the
Problems encountered			
Future amendments			

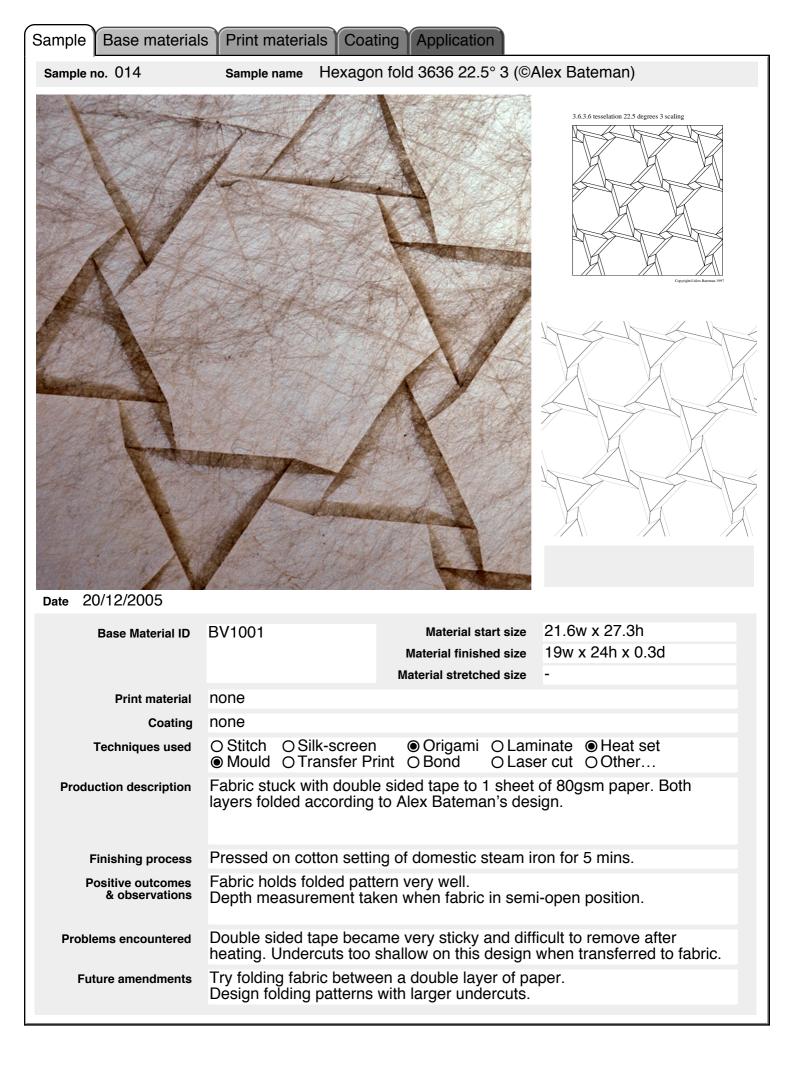


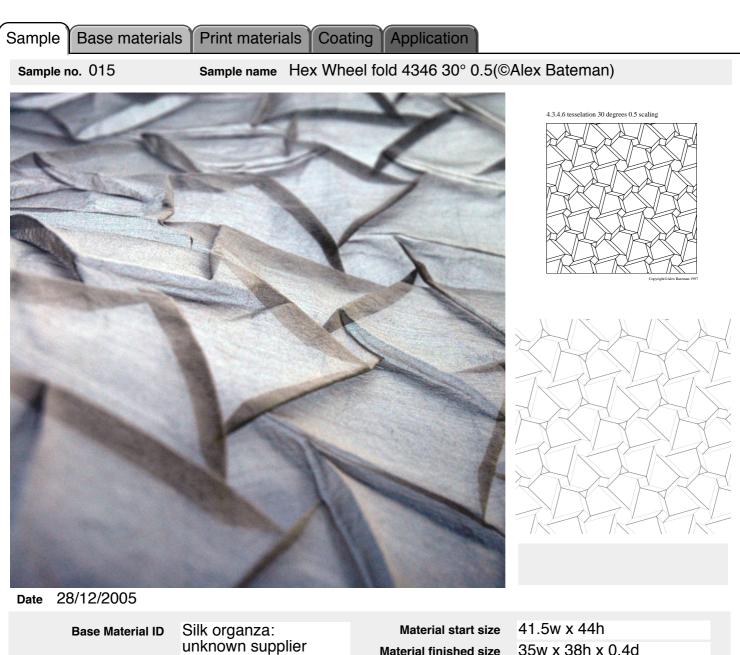
Date 10/11/2005

Base Material ID	WH1005 WH1003 WH1004	Material start size Material finished size Material stretched size	17.5w x 21h 16.5w x 20.5h x 0.8d -
Print material	Tubvinyl 235MC-3 + Tu	bassist Fix 102W + Tu	bassist RTD 607W
Coating	Short pile white flock/ lo	ng pile white flock	
Techniques used	O Stitch		
Production description	Polyester satin laid as b printed at same time, 5 adhesive still wet. Bake	pulls. Loose flock add	abrics laid on top. All layers ed with flocking gun while
Finishing process	Heat gun played over s	urface to further shrink	WH1003
Positive outcomes & observations	A slight increase in buc	kling and texture on the	e surface of the sample
Problems encountered	Not enough voile conter sample	nt to create significant s	shrinkage and buckling of
Future amendments	Increase voile content		

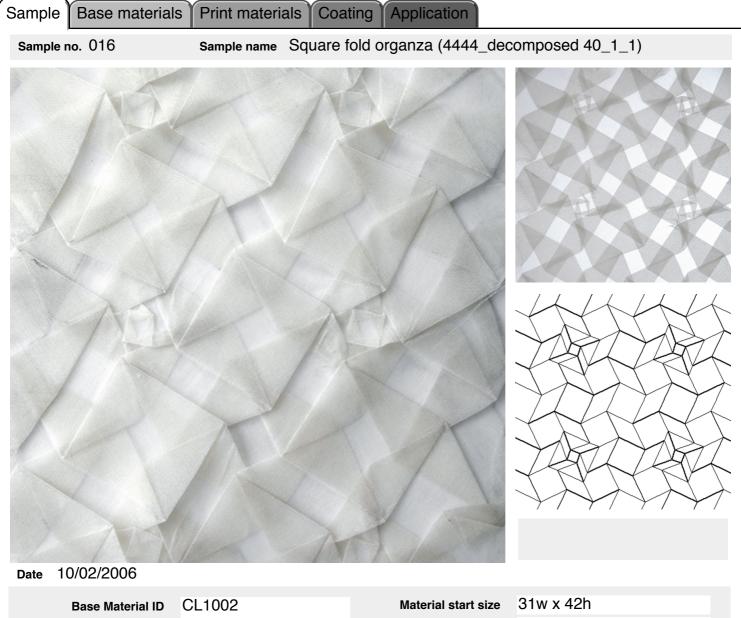
Sample Base material	s Print materials Coat	ing Application	
Sample no. 012	Sample name Flock Pri	nt Bark 4	
Date 10/11/2005		NY NY	
Base Material ID	CL1001	Material start size	18w x 42h
Dase Material ID	WH1004	Material finished size	13w x 34.5h x 1d
Print material	Tubvinyl 235MC-3 + Tu	bassist Fix 102W + Tu	bassist RTD 607W
Coating	Short pile white flock/ lo	ng pile white flock	
Techniques used	O Stitch		ninate
Production description	Lycra stretched under te Mousaline laid on top. E Tension released before	Both layers printed at th	l vertically before printing. ne same time, 3 pulls.
Finishing process	Baked @ 150°c x 15 m	ins.	
Positive outcomes & observations	The 3-D effect is as pro fabrics form a much stro appearance of the fabric	onger bond and both th	
Problems encountered	Creating large piece siz constraints of the stretc		ould be difficult due to the to printing
Future amendments			

Sample Base material	S Print materials Coat	ting Application	
Sample no. 013	sample name Muira Sh	nibori	
Tere24/11/2005			<image/>
Base Material ID	WH1007	Material start size Material finished size Material stretched size	25.5w x 31h 12w x 17h x 1.7d -
Print material	none		
Coating	none		
Techniques used	O Stitch O Silk-screen O Mould O Transfer Pr	O Origami O Lam int O Bond O Las	ninate
Production description	Tie pattern sketched ou cotton string.	t in tailors chalk. Each	node bound tightly with fine
Finishing process	Steamed at atmospheri	c pressure @ 100°c x [·]	15 mins.
Positive outcomes & observations	An extremely elastic res		
Problems encountered	Chalk marks do not was	sh out completely	
Future amendments			





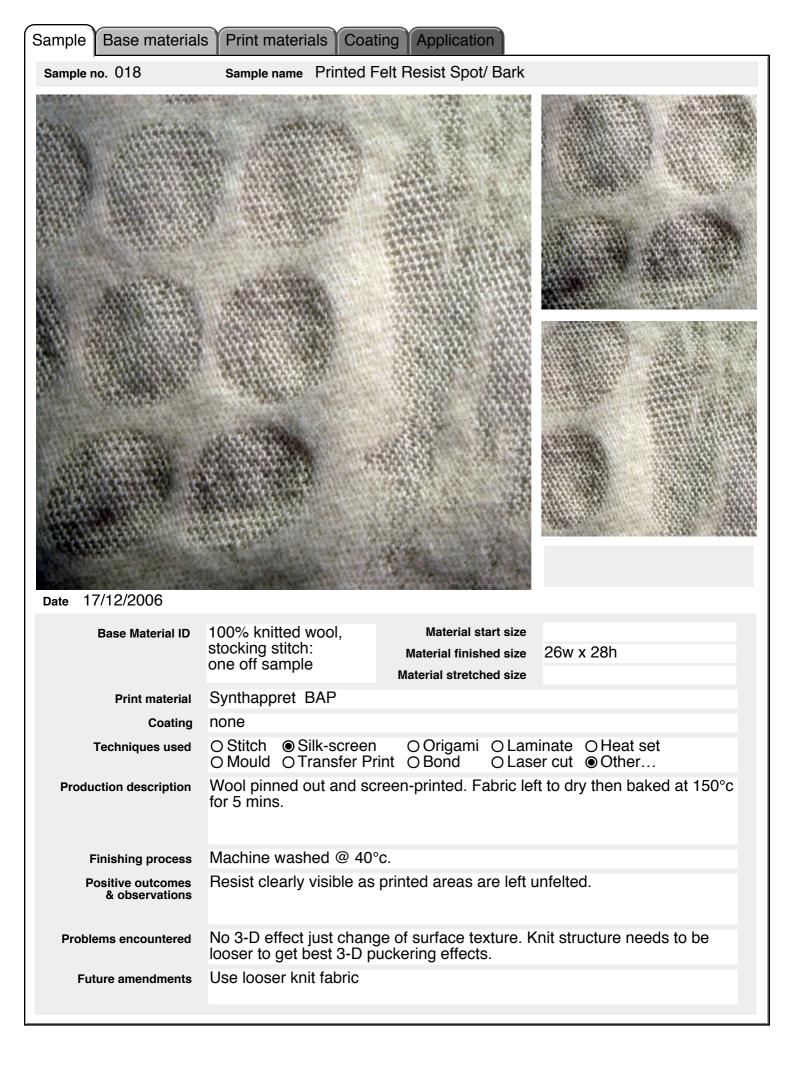
	difference of the supplier	Material finished size	35W X 38N X 0.40
		Material stretched size	-
Print material	none		
Coating	none		
Techniques used	O Stitch O Silk-screen ● Mould O Transfer Pr		inate ●Heat set er cut OOther
Production description	Fabric folded between 2	2 paper moulds cartridg	e paper.
Finishing process	Pressed on cotton setting	ng of domestic steam ir	on for 5 mins.
Positive outcomes & observations		ding between 2 papers	ample but still holds fold worked better than sticking ox 0.4cm in depth.
Problems encountered	Folding 3 layers at once together in interim stage		nd clips are required to hold
Future amendments	Still using others design patterns with larger und	ns with inadequate unde ercuts. Experiment to fi	ercuts. Design folding nd ideal paper gms molds.



Dase Material ID	OLIUUL		•••• · · · · · · · · · · · · · · · · ·
		Material finished size	19.5w x 26.5h x 2d
		Material stretched size	-
Print material	none		
Coating	none		
Techniques used	O Stitch O Silk-screen ⊙ Mould O Transfer Pr	- 5 -	
Production description	Folding pattern designe Fabric folded between 2		& 200gsm cartridge paper.
Finishing process	Pressed@ 200°c for 30	secs between teflon sh	eets on hand op. heat press
Positive outcomes & observations		weight papers makes f	n more defined results on olding easier. Semi-open
Problems encountered	Photocopied lines on pa	aper transfer onto fabric	2
Future amendments	Ensure photocopied sid	e of paper is not in dire	ct contact with fabric

Sample Base materia	als Print materials Coat	ing Application	
Sample no. 017	Sample name Hexagor	al fold silk organza 66	6301_01_0
			<image/>
Date 13/02/2006	anan - Anan Sanasa, dar Cesannu Hadur Susandar Annia H		
Base Material ID	CL1002	Material start size Material finished size Material stretched size	22w x 29.7h 18w x 24h x 1d -

Print material	none				
Coating	"Miracle li	quid"			
Techniques used	-	O Silk-screen O Transfer Print		O Laminate O Laser cut	
Production description	Fabric so		quid" liquid p	polyester solu	ution until saturated. 50 & 200gsm cartridge
Finishing process	Pressed@	200°c for 30sec	s between te	eflon sheets c	on hand op. heat press
Positive outcomes & observations	Semi-ope	n fabric measures	s approx 1cr	n in depth.	
Problems encountered					
Future amendments					

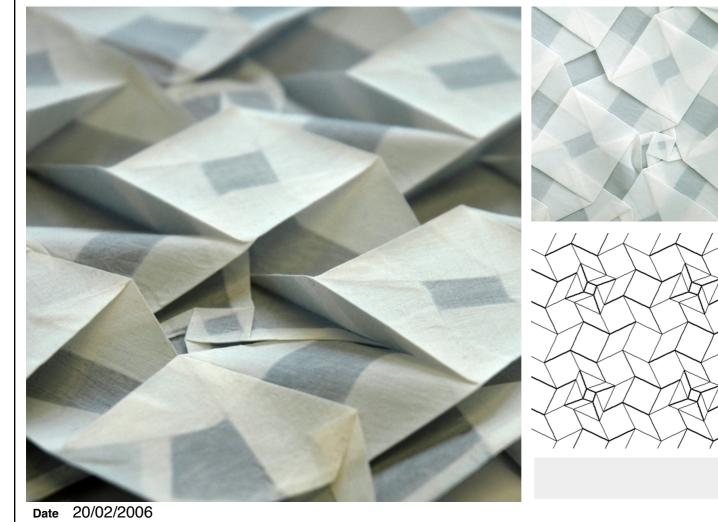


Sample Base materials	Print materials Coating Application
Sample no. 019	Sample name Hexagonal fold cotton lawn 666301_01_0
R	<image/>
Date 20/02/2006	

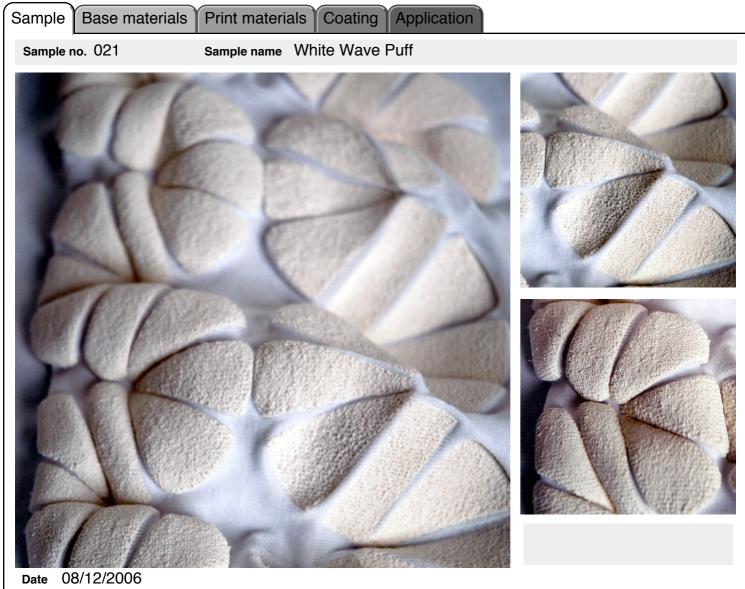
Base Material ID	WH1006	Material start size	27.3w x 38h
		Material finished size	21w x 29.5h x 1.2d
		Material stretched size	-
Print material	Disperse transfer paper-s	ilver	
Coating	"Miracle liquid"		
Techniques used	O Stitch O Silk-screen	●Origami OLam t OBond OLase	inate ●Heat set er cut OOther
Production description	Pressed at 200°c for 30 s heat press. Manipulated f	econds between teflo abric printed with trai	& 200gsm cartridge paper. on sheets on hand operated nsfer paper pressed at n hand operated heat press.
Finishing process	Pressed@ 200°c for 30se	cs between teflon sh	eets on hand op. heat press
Positive outcomes & observations	"Miracle liquid" coating all although the substrate is 1.2cm in depth.		
Problems encountered	Sample discolours over ti	me, "Miracle liquid" d	oesn't appear to be stable.
Future amendments			

Sample no. 020

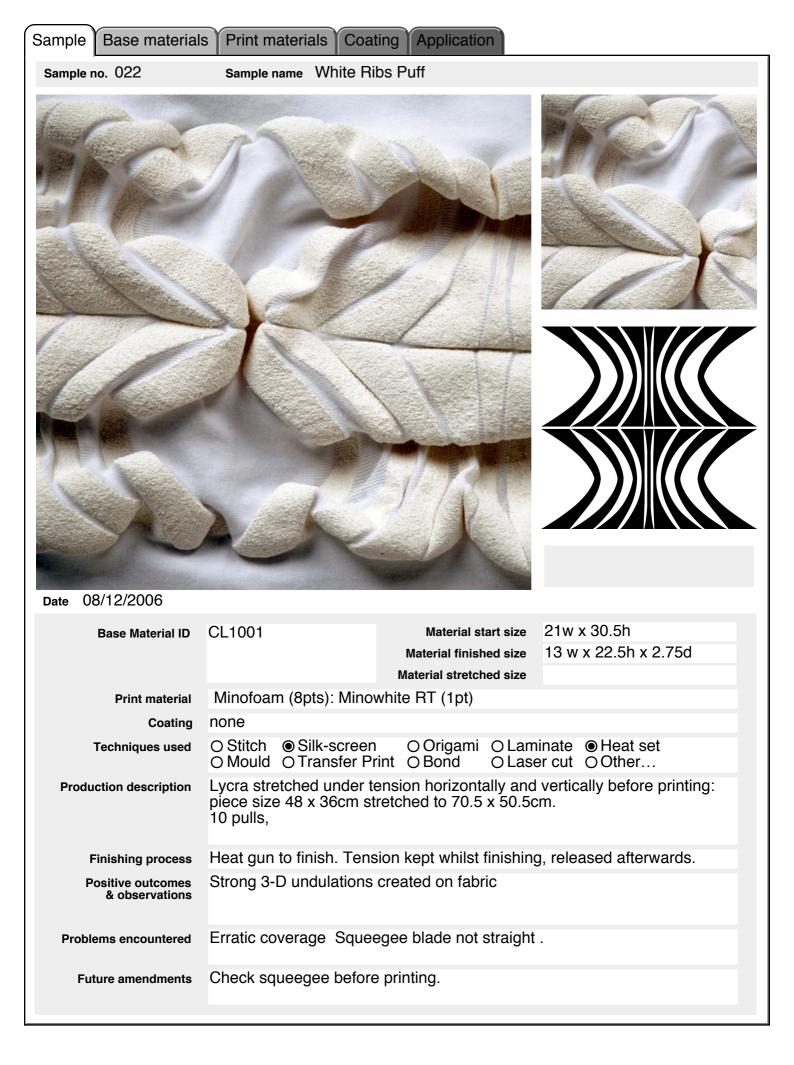
Sample name Square fold cotton lawn (4444_decomposed 40_1_1)

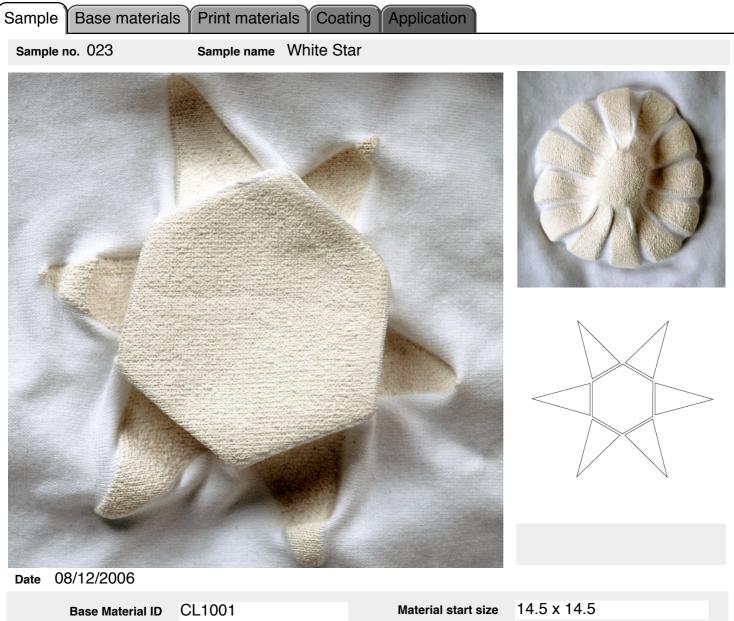


Dale 20/02/2000			
Base Material ID	WH1006	Material start size	29.3w x 36.5h
		Material finished size	18.7w x 24.6h x 2d
		Material stretched size	-
Print material	Disperse transfer paper	-light turquoise	
Coating	"Miracle liquid"		
Techniques used	O Stitch O Silk-screen ● Mould ● Transfer Pr		inate Heat set o Other
Production description	Pressed at 200°c for 30 heat press. Manipulated	seconds between teflo fabric printed with trar	& 200gsm cartridge paper. In sheets on hand operated Insfer paper pressed at In hand operated heat press.
Finishing process	Pressed@ 200°c for 30	secs between teflon sh	eets on hand op. heat press
Positive outcomes & observations			This design moves in an emi-open fabric measures
Problems encountered	Pressed@ 200°c for 30	secs between teflon sh	eets on hand op. heat press
Future amendments			



Dees Meterial ID	CL1001		Material st	ort oizo	3014	x 15.5h	
Base Material ID	GLIUUI					x 11.5h x 2d	
			Material finish		23.W	X 11.5II X 20	
			Material stretch	ed size			
Print material	Minofoam	i (8pts): Minowl	nite RT (1pt)				
Coating	none						
Techniques used		 Silk-screen Transfer Prin 				Heat set Other	
Production description		etched under te e 48 x 36cm stre				ally before printing:	
Finishing process	Heat gun. Tension kept whilst finishing, released afterwards.						
Positive outcomes & observations		alves of the sa other curves ir				e gives crisp, straigh to uneven ink	ıt
Problems encountered	Erratic co	verage, faded o	on one side, so	lueegee	e blade	e not straight.	
Future amendments	Check sq	ueegee before	printing.				

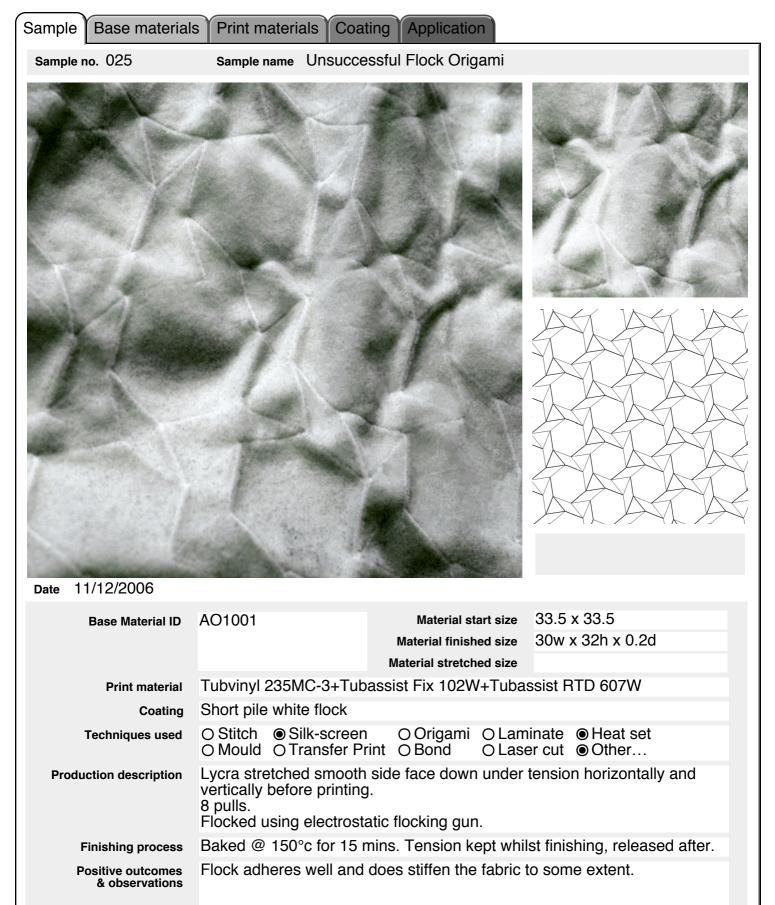




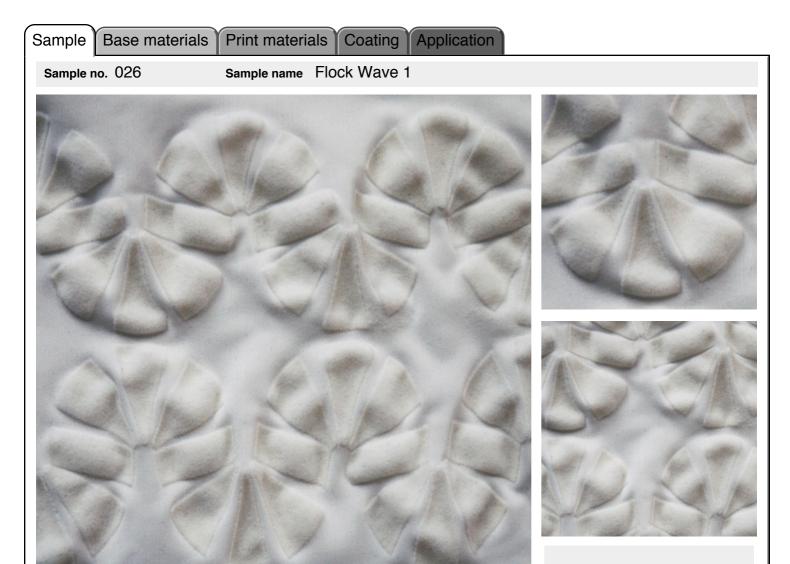
Base Material ID	CL1001	Material start size	14.5 X 14.5
		Material finished size	9.5w x 8.5h x 1.5d
		Material stretched size	
Print material	Minofoam (8pts): Minow	vhite RT (1pt)	
Coating	none		
Techniques used	O Stitch O Silk-screen		
Production description	Lycra stretched under to piece size 48 x 36cm st 16 pulls, good coverage	retched to 70.5 x 50.5c	vertically before printing: m.
Finishing process	Heat gun to finish. Tens	sion kept whilst finishing	g, released afterwards.
Positive outcomes & observations	Fabric deformed to created shape at finis		
Problems encountered			
Future amendments	Repeat as an all-over p	attern with the star tips	joining







Problems encountered	Failed to release fabric from backing cloth before flocking, damaged flock by doing afterwards.
Future amendments	Release fabric from backing before flocking.

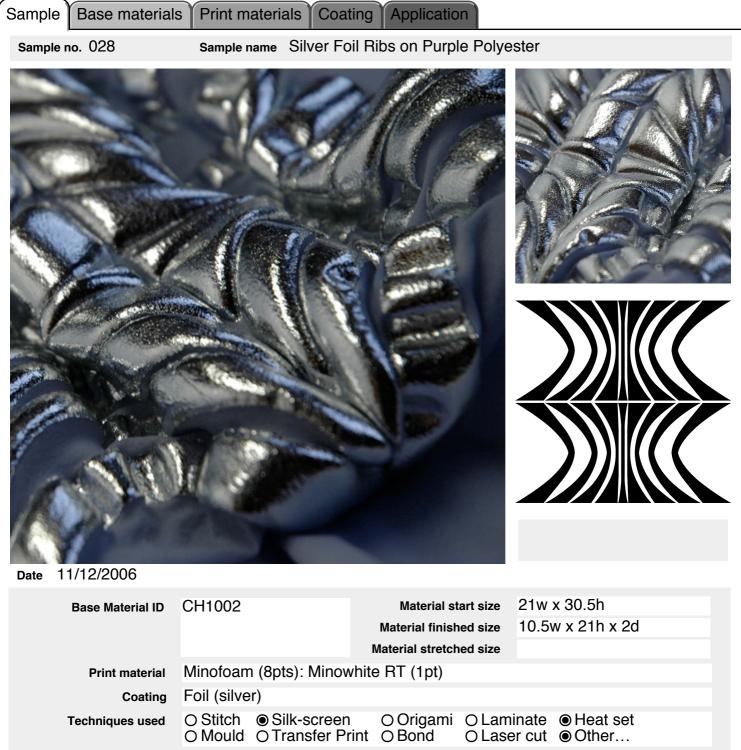


Date	11/12/2006
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Base Material ID	AO1001	Material start size Material finished size Material stretched size	25w x 14h 21w x 13h x 0.5d
Print material	Tubvinyl 235MC-3+Tub	assist Fix 102W+Tuba	ssist RTD 607W
Coating	Short pile white flock		
Techniques used	O Stitch ● Silk-screen O Mould O Transfer Pr		ninate
Production description	Lycra stretched smooth vertically before printing 8 pulls.		tension horizontally and
Finishing process	Baked @ 150°c for 15 r	nins. Tension kept whil	lst finishing, released after.
Positive outcomes & observations	Flock adheres well and	does stiffen the fabric	to some extent.
Problems encountered	Failed to release fabric by doing afterwards.	from backing cloth befo	ore flocking, damaged flock
Future amendments	Release fabric from bac	king before flocking.	



Problems encountered	Didn't release fabric from backing cloth before flocking, damaged flock by doing afterwards. Print doesn't stiffen enough to hold form. Fabric ladders.
Future amendments	Release fabric from backing before flocking.



Production description

Silver foil placed face down underneath fabric. Fabric stretched face down, under tension horizontally and vertically before printing. 16 pulls.

Lightweight fabric holds form well.

Heat gun to finish. Tension kept whilst finishing, released afterwards.

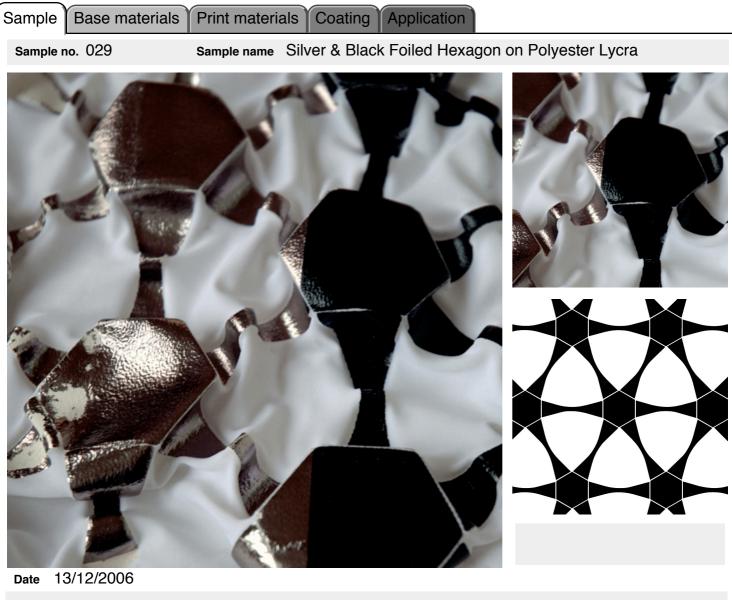
Foil gives a very good aesthetic finish and improves handle of puff binder.

Finishing process Positive outcomes

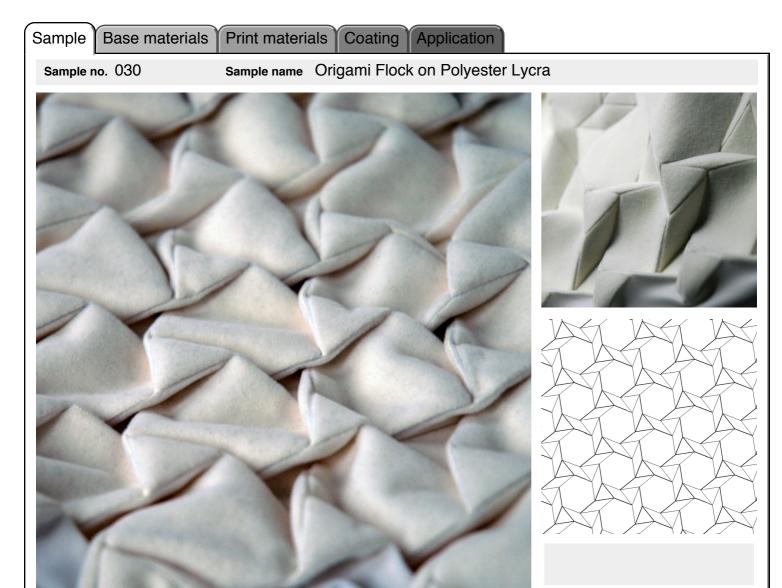
& observations

Problems encountered

Future amendments

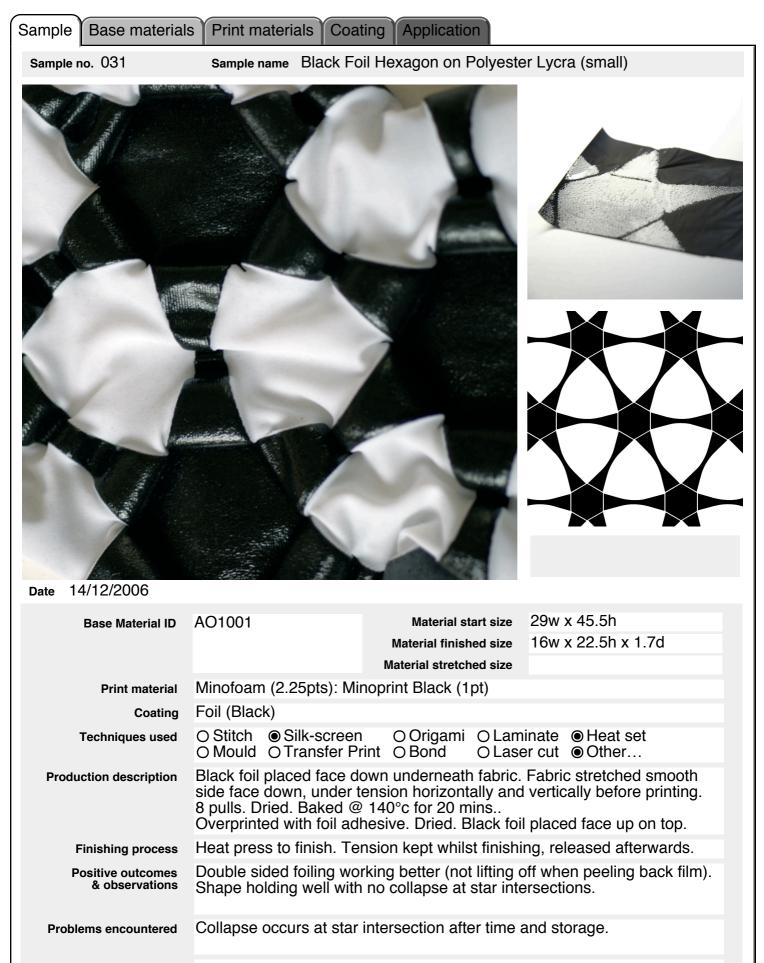


Base Material ID	AO1001	Material start size Material finished size Material stretched size	40.5w x 64h 30w x 37.5h x 2.25d
Print material	Minofoam (8pts): Minow		
Coating	Foil (Gunmetal & Black)	
Techniques used	O Stitch		inate ●Heat set er cut ●Other
Production description	Half silver/ half black foi stretched smooth side fa before printing. 10 pulls Foil stuck, face up, on to	ace down, under tensic	derneath fabric. Fabric on horizontally and vertically
Finishing process	Heat press to finish. Tension kept whilst finishing, released afterwards.		
Positive outcomes & observations			the points of the stars to fabric at this point. (Buckles
Problems encountered	Foil lifts off from binder	when heat pressed.	
Future amendments	Leave foil and fabric to	cool completely before	peeling off foil.

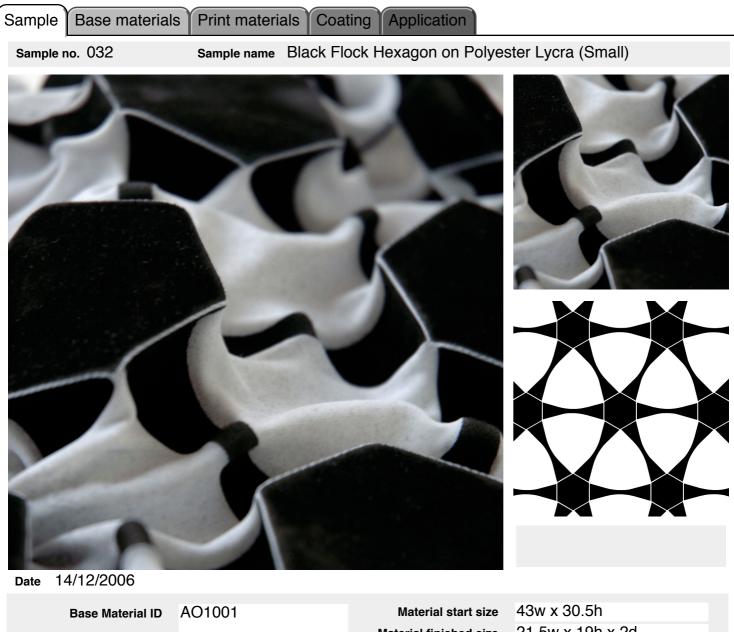


Date 13/12/2006

Base Material ID	AO1001	Material start size	
		Material finished size	a 31.5h x 2.8d
		Material stretched size	•
Print material	Minofoam (8pts): Minov	/hite RT (1pt)	
Coating	Short pile white flock		
Techniques used	O Stitch		minate
Production description	face up before printing.	8 pulls. Fabric sepai nto Minofoam mix bir	nd vertically, smooth side rated from backing board nder with electrostatic gun. nilst finishing.
Finishing process	Folded to shape and pr	essed with domestic	iron.
Positive outcomes & observations	origami form well.		d ensure that substrate holds
Problems encountered	Printed areas buckled s	lightly when pressed	with domestic iron.
Future amendments	Experiment using dry in buckle. Alternatively ste		nal pressing to eliminate de.

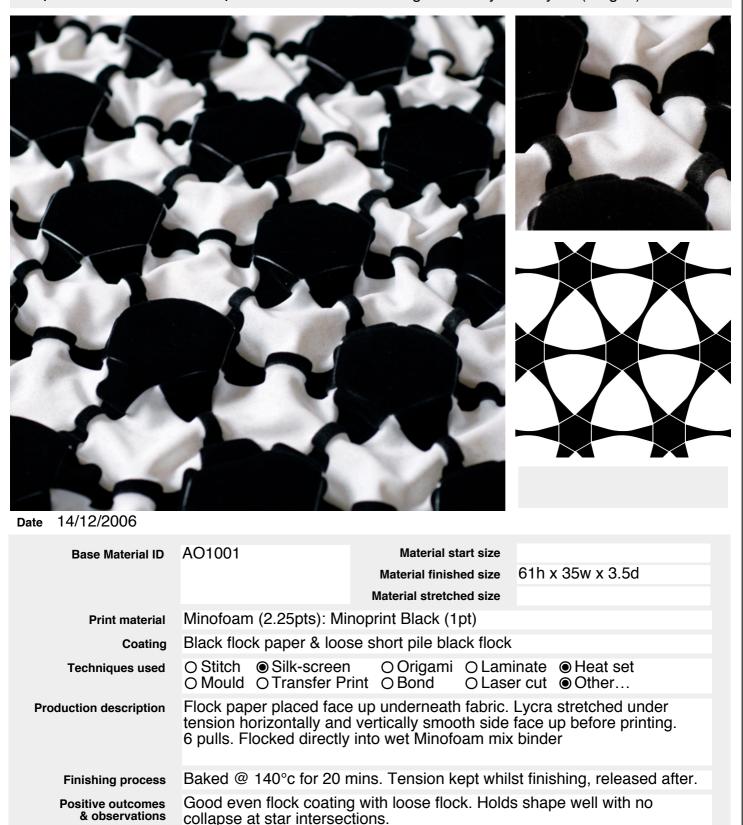


Future amendments



		Material finished size	21.5w x 19h x 2d
		Material stretched size	
Print material	Minofoam (2.25pts): Minoprint Black (1pt)		
Coating	Black flock paper & loos	se short pile black flock	
Techniques used	O Stitch O Silk-screen O Mould O Transfer Pr	O Origami O Lam int O Bond O Lase	inate
Production description	Flock paper placed face tension horizontally and 6 pulls. Flocked directly	vertically smooth side	face up before printing.
Finishing process	Baked @ 140°c for 20 r	nins. Tension kept while	st finishing, released after.
Positive outcomes & observations	Good even flock coating at star intersections.	g on both sides. Holds s	shape well with no collapse
Problems encountered			
Future amendments			

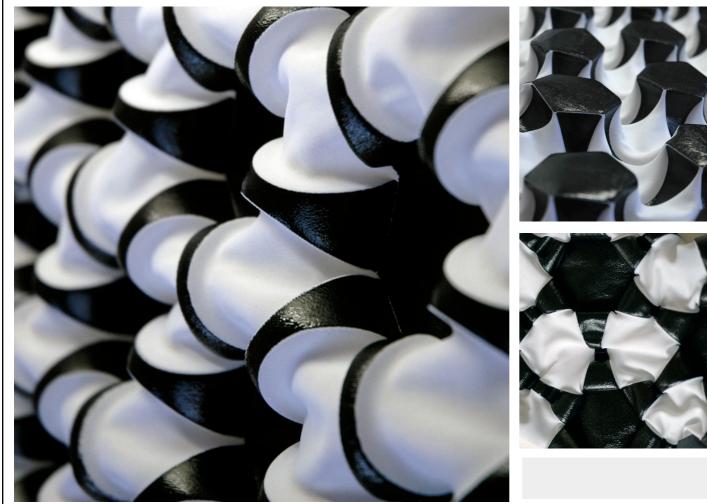
Sample name Black Flock Hexagon on Polyester Lycra (Large1)



Problems encounteredDidn't pick up paper flock at all. Sheds flock badly, possibly too much
colourant in puff binder affects adhesive quality.Future amendmentsPrint flocking adhesive over puff binder, use manufacturers black

minofoam or flock directly onto uncoloured binder.

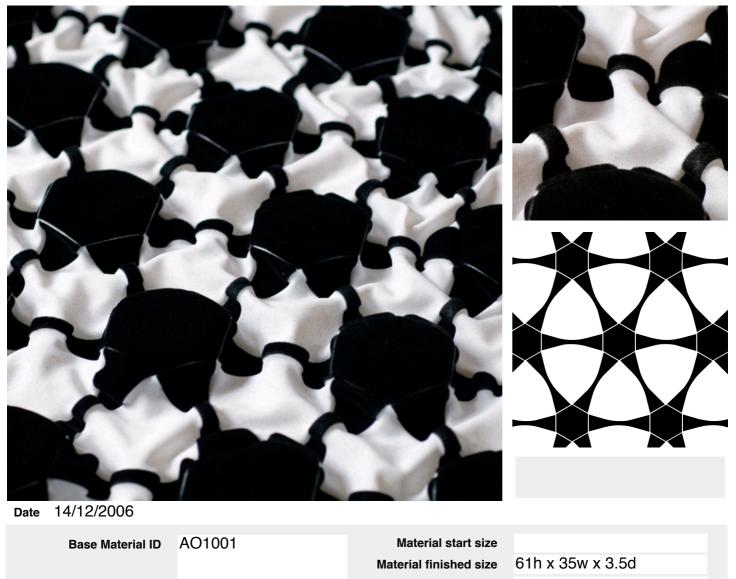
Sample name Black Foil Hexagon on Polyester Lycra (large)



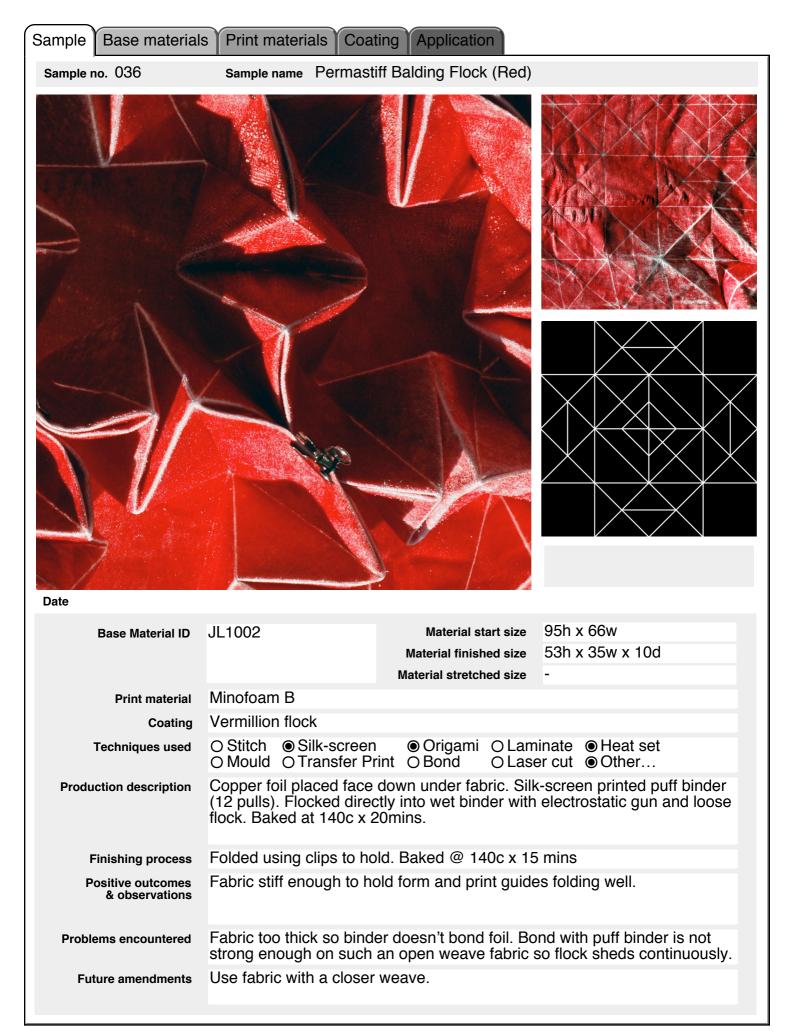
Date	14/1	2/20	06
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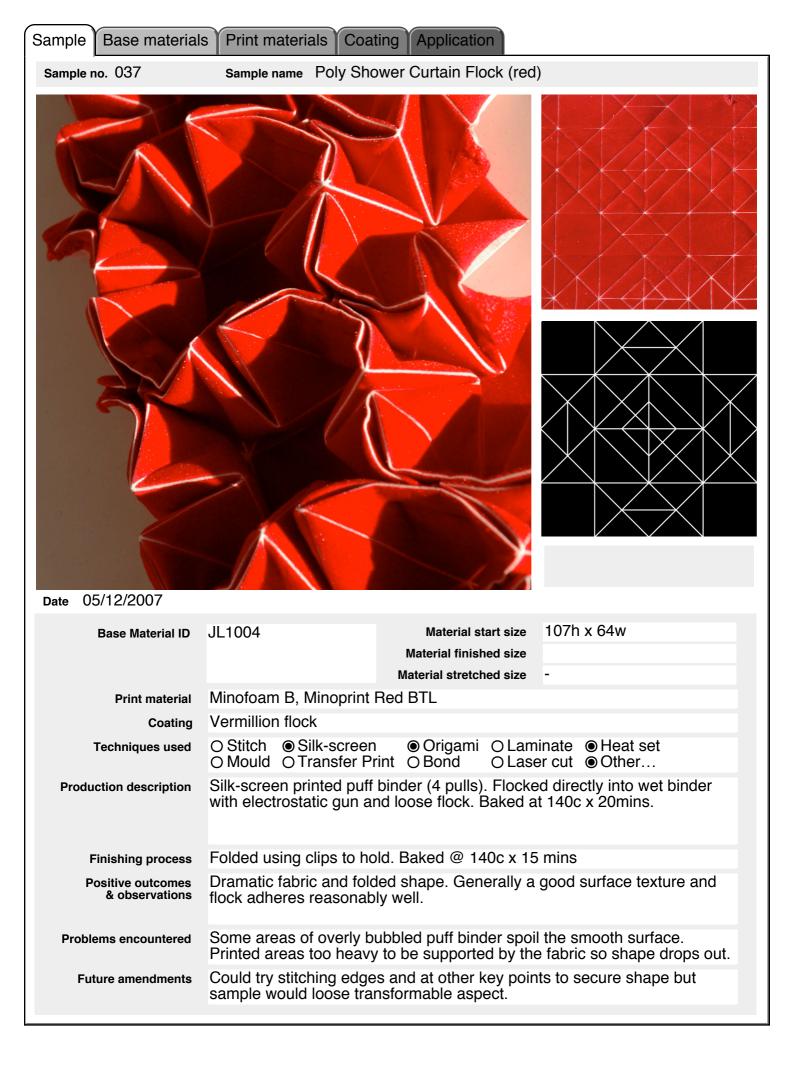
Base Material ID	AO1001	Material start size Material finished size Material stretched size	64h x 35.5w x 3d
Print material	Minofoam (2.25pts): Mir	noprint Black (1pt)	
Coating	Foil (Black)		
Techniques used	O Stitch		
Production description	side face down, under t 8 pulls. Dried. Baked @	ension horizontally and 140°c for 20 mins	Fabric stretched smooth d vertically before printing.
Finishing process	Heat press to finish. Te	nsion kept whilst finish	ing, released afterwards.
Positive outcomes & observations	Double sided foiling wor Shape holding well with		off when peeling back film). ersections.
Problems encountered	Collapse occurs at star	intersection after time	and storage.
Future amendments			

Sample name Black Flock Hexagon on Polyester Lycra (Large 2)



	Material finished size 0111 X 35W X 3.50
	Material stretched size
Print material	Minofoam (2.25pts): Minoprint Black (1pt): Tubvinyl 235MC-3+Tubassist
Coating	Black flock paper & loose short pile black flock
Techniques used	O Stitch ● Silk-screen O Origami O Laminate ● Heat set O Mould O Transfer Print O Bond O Laser cut ● Other
Production description	Flock paper placed face up underneath fabric. Lycra stretched under tension horizontally and vertically smooth side face up before printing. 6 pulls. dried. Flock adhesive printed directly over puff binder. Flocked with electrostatic flocking gun.
Finishing process	Baked @ 140°c for 20 mins. Tension kept whilst finishing, released after.
Positive outcomes & observations	Good even flock coating with loose flock. Holds shape well with no collapse at star intersections. Adhesion of loose flock much improved by use of adhesive.
Problems encountered	Didn't pick up paper flock at all.
Future amendments	Use a padded board to stretch fabric to achieve better contact with flocking paper underneath fabric.





Sample Base material	s Print materials Coat	ting Application	
Sample no. 038	sample name Silk Orga	anza Flock (Red)	
Date 06/12/2007			
Base Material ID	CL1002	Material start size Material finished size Material stretched size	107h x 64w
Print material	Minofoam B, Minoprint	Red BTL, Magnaprint b	binder
Coating	Vermillion flock		
Techniques used	O Stitch	O Origami O Lam int O Bond O Las	ninate ⊚Heat set er cut ⊚Other
Production description	Copper foil placed face the sample. Silk-screen wet binder with electros	printed puff binder (4	ganza folded double for half oulls). Flocked directly into ck.
Finishing process	Baked at 140c x 20mins	6.	
Positive outcomes & observations	Generally a good surfac	ce texture and flock adl	neres reasonably well.
Problems encountered	Some areas of uneven surface when heated.	coverage of puff binde	r cause blistering of the
Future amendments			



O Mould O Transfer Print O Bond O Laser cut O Other...

Production description Puff binder silk-screen printed (6 pulls). Left to dry. Adhesive silk-screen printed (6 pulls). Glitter sprinkled over while adhesive still wet. Left to dry overnight.

Finishing process Baked @ 140°c for 5 mins. Ironed to fold into final shape

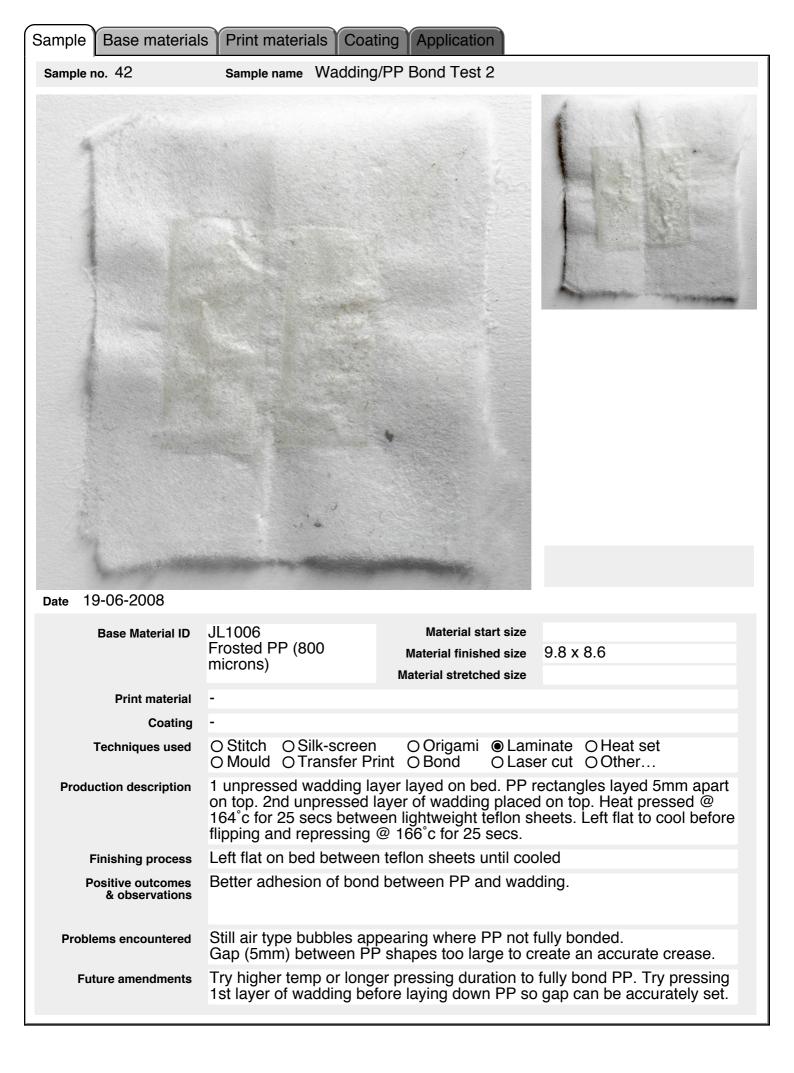
Positive outcomes & observations

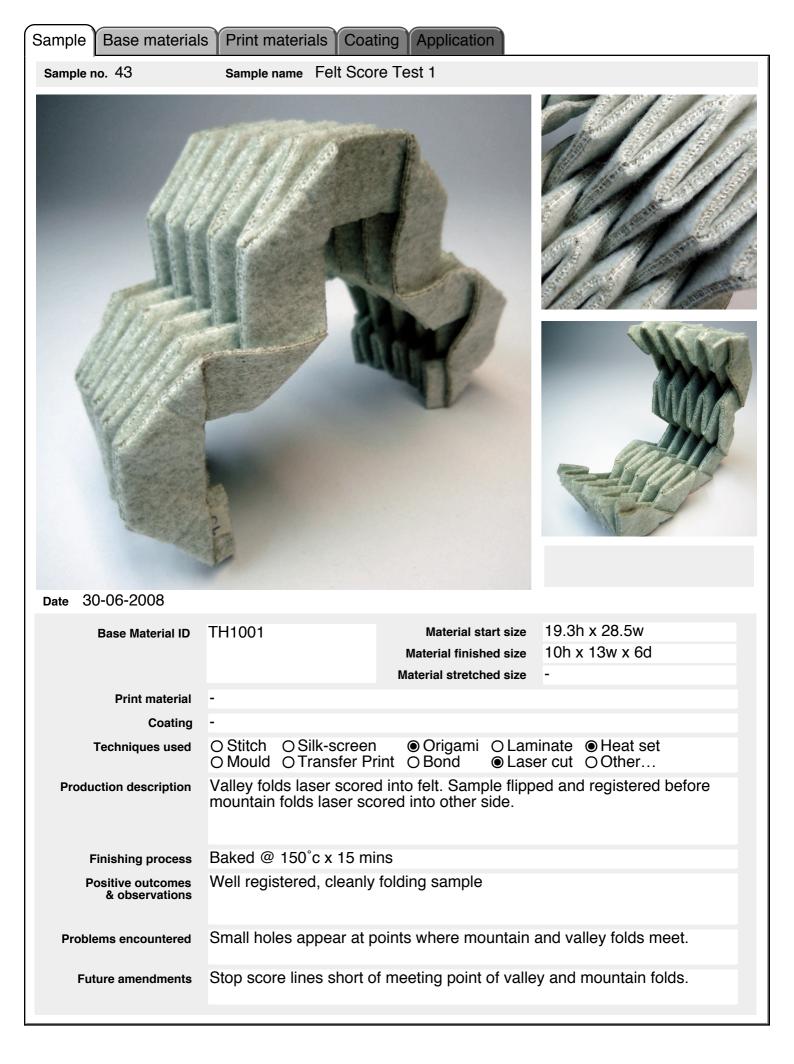
Problems encountered Uneven coverage given by adhesive silk-screen print. Glitter prone to drop when rubbed.

Future amendments

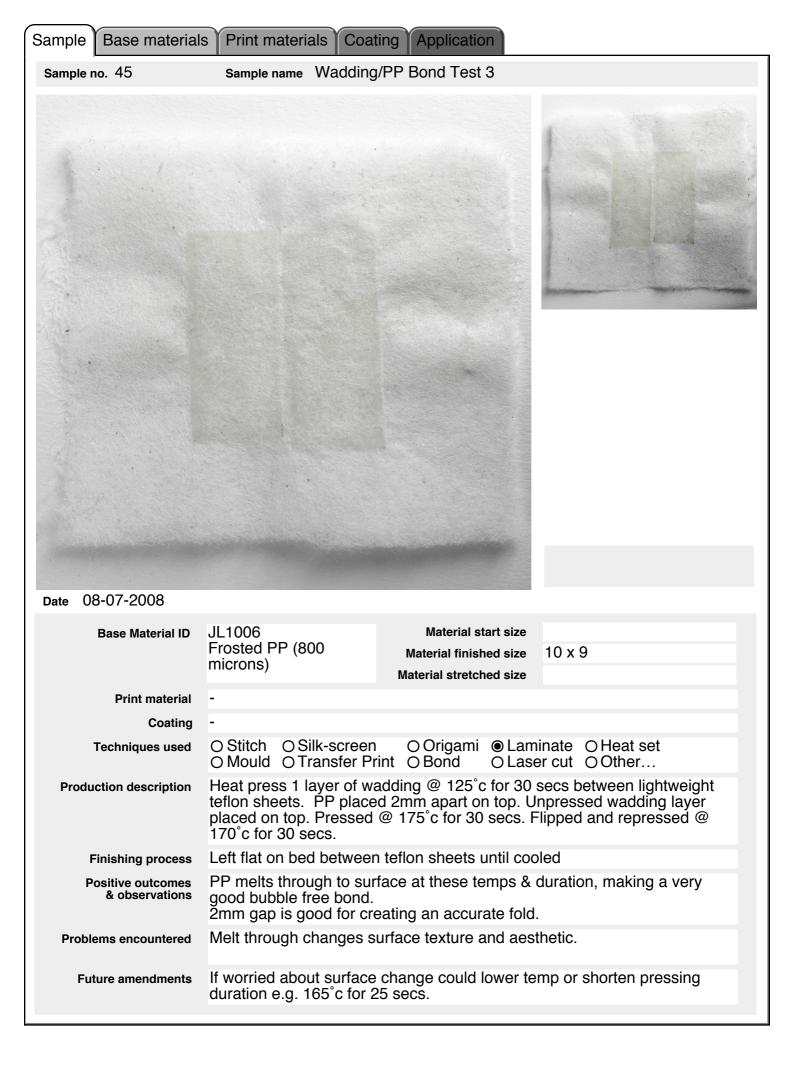
Sample Base material	s Print materials Coa	ating Application	
Sample no. 40	Sample name Felt/PP	Bond Test 1	
Date 19-06-2008			
Base Material ID	JL1005 Frosted PP (800 microns)	Material start size Material finished size Material stretched size	7.5 x 5.3
Print material	-		
Coating	-		
Techniques used	O Stitch O Silk-screer O Mould O Transfer P		ninate OHeat set er cut OOther
Production description	Felt layered on press b pressed @170°c for 25 to 165°c but overshot).	ed with PP placed appr secs between lightweig	rox. 2mm apart on top. Heat ght teflon sheets (press set
Finishing process	-		
Positive outcomes & observations	shrinks to 1mm as PP	rong bond with the base spreads slightly on heat areas whilst retaining fle	e fabric. Gap of approx. 2mm ting. Gives very good exibility of hinges.
Problems encountered	PP rectangles curve m curve) on cooling but s	arkedly width ways and ample was removed fro	l slightly length ways (saddle om press bed while still hot.
Future amendments	Try leaving flat on bed	or pressing between 2 t eriment w spaces bet F	flat surfaces until cooled or

Sample no. 41	Sample name Waddin	g/PP Bond Test 1	
Date 19-06-2008			
Date 19-06-2008 Base Material ID	JL1006 Frosted PP (800 microns)	Material start size Material finished size Material stretched size	10 x 7.2
	Frosted PP (800 microns)	Material finished size	10 x 7.2
Base Material ID	Frosted PP (800 microns)	Material finished size	10 x 7.2
Base Material ID Print materia	Frosted PP (800 microns) - -	Material finished size Material stretched size	
Base Material ID Print materia Coating	Frosted PP (800 microns) - O Stitch O Silk-scree O Mould O Transfer F 1 unpressed wadding I on top. 2nd unpressed	Material finished size Material stretched size n O Origami O Lam Print O Bond O Lase ayer layed on bed. PP r	ninate OHeat set er cut OOther rectangles layed 5mm apart d on top. Heat pressed @
Base Material ID Print materia Coating Techniques used	Frosted PP (800 microns) - O Stitch O Silk-scree O Mould O Transfer F 1 unpressed wadding I on top. 2nd unpressed 165°c for 25secs between	Material finished size Material stretched size n O Origami O Lam Print O Bond O Lase ayer layed on bed. PP r layer of wadding placed	ninate OHeat set er cut OOther rectangles layed 5mm apart d on top. Heat pressed @ neets.
Base Material ID Print materia Coating Techniques used Production description	Frosted PP (800 microns) - O Stitch O Silk-scree O Mould O Transfer F 1 unpressed wadding I on top. 2nd unpressed 165°c for 25secs betwee Left flat on bed betwee Wadding layers bond v	Material finished size Material stretched size n O Origami O Lam Print O Bond O Lase ayer layed on bed. PP r layer of wadding placed een lightweight teflon sh	ninate O Heat set er cut O Other rectangles layed 5mm apart d on top. Heat pressed @ neets. bled r.
Base Material ID Print materia Coating Techniques used Production description Finishing process Positive outcomes	Frosted PP (800 microns) - O Stitch O Silk-scree O Mould O Transfer F 1 unpressed wadding I on top. 2nd unpressed 165°c for 25secs betwee Left flat on bed betwee Wadding layers bond w Leaving sample flat to Only top side of PP (fat	Material finished size Material stretched size Material stretched size Of Control of Control Material stretched size December of Control of Control Material stretched size Material stretched size Material finished size Material finished size Material finished size Material finished size Material finished size Material stretched size Materia	hinate O Heat set er cut O Other rectangles layed 5mm apart d on top. Heat pressed @ heets. bled r. curl in the sample.









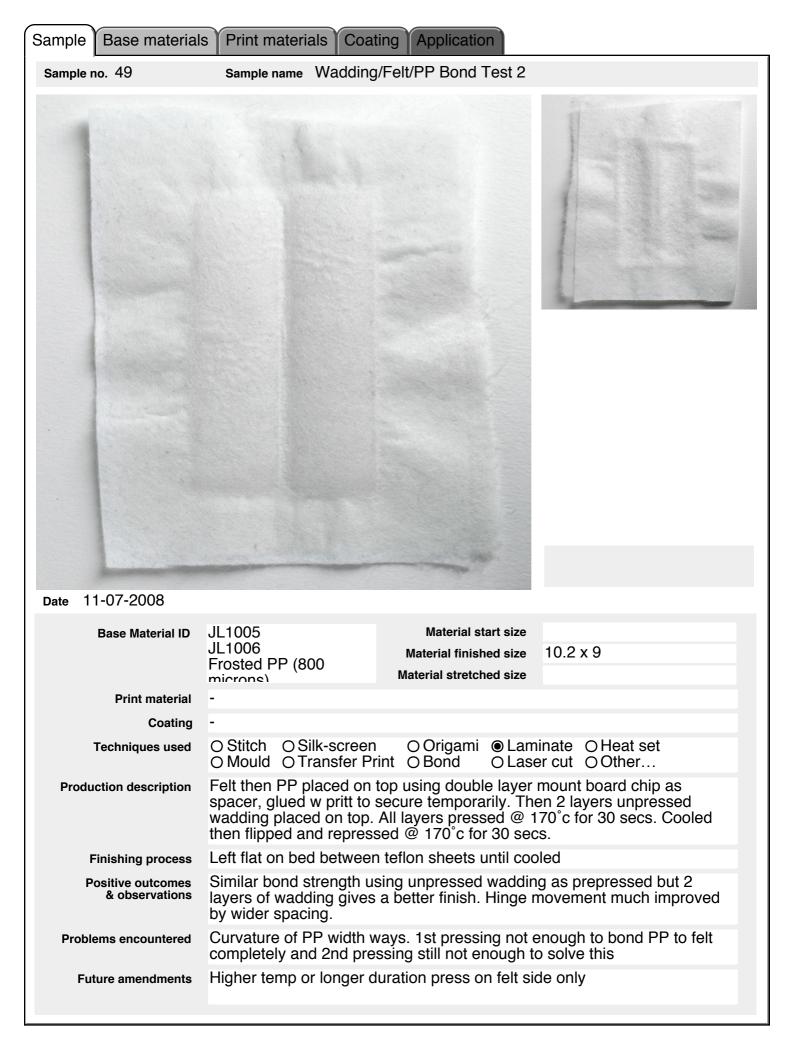


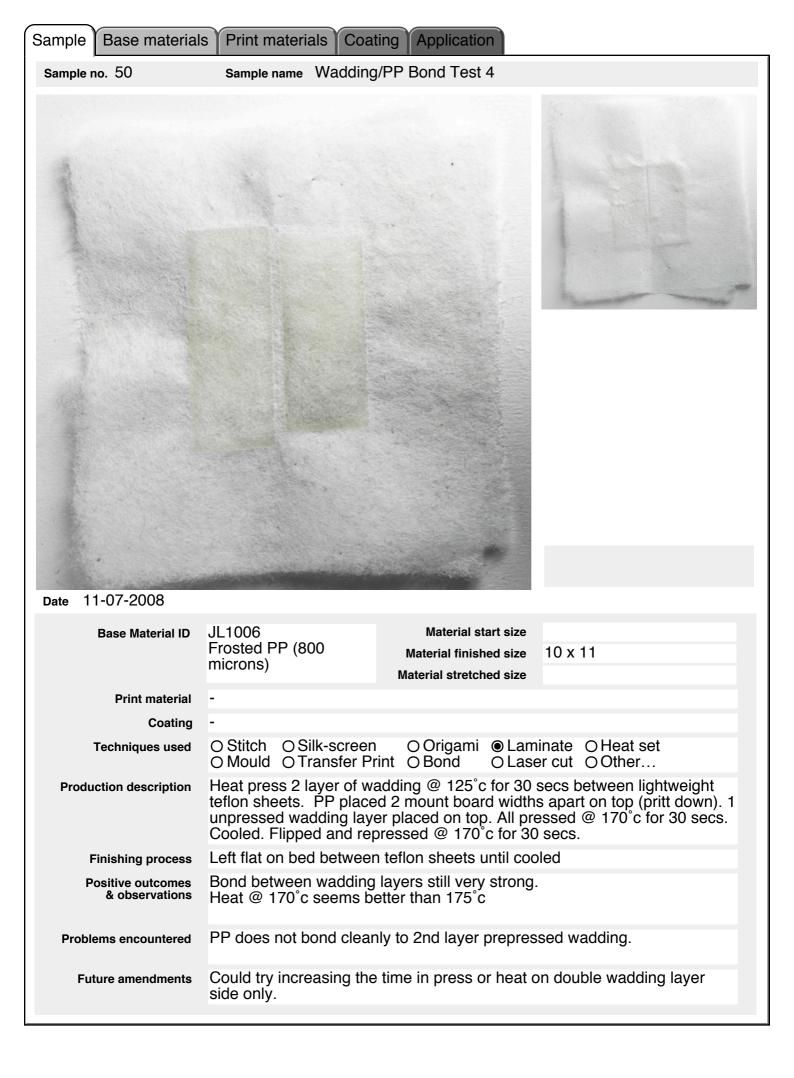
Sample name Wadding/PP Bond Simple fold 1

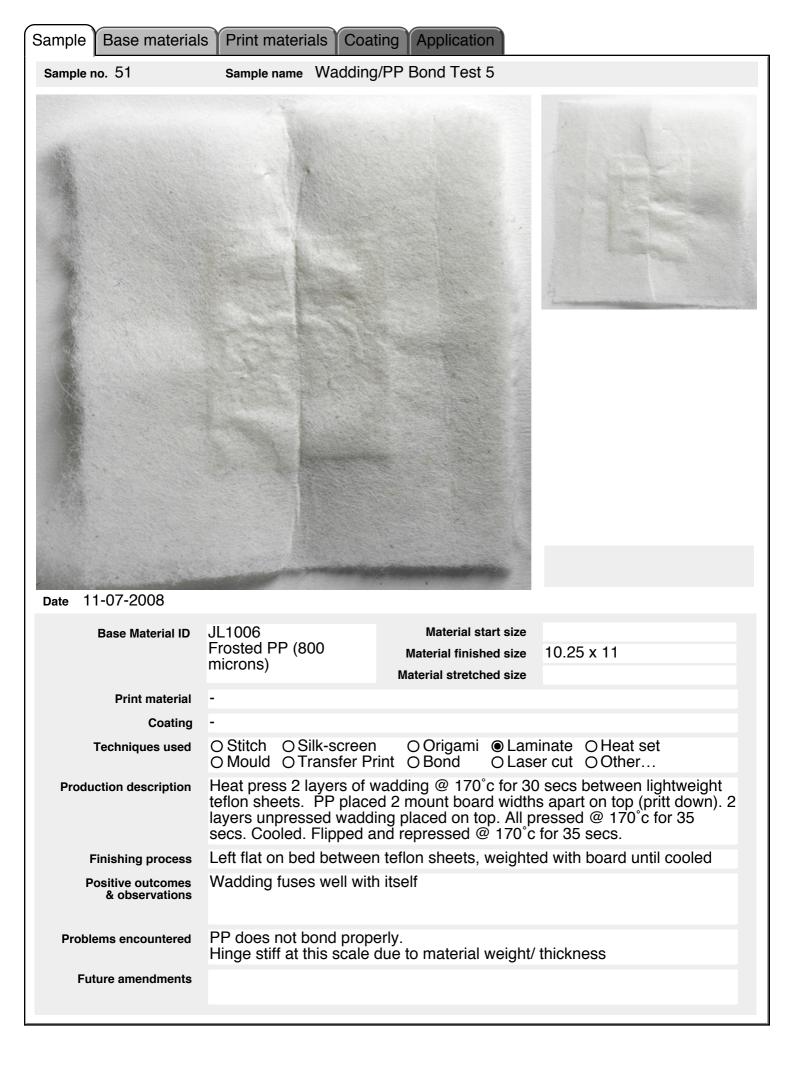


	,	Material stretched size	-
Print material	-		
Coating	-		
Techniques used	O Stitch O Silk-screen O Mould O Transfer Pri		
Production description		hip as spacer. Unpress r 30 secs. 4got top tef	sed wadding layer placed on lon sheet! Fabric wrinkling
Finishing process	Left flat on bed flat boar	d weight added until c	ooled. Origami folded.
Positive outcomes & observations	Very robust material, pe Once folded holds 3D fo flat).		immobile, cannot be folded
Problems encountered	Very noticeable curving melted PP so joints very		
Future amendments	Remember top teflon sh Press @ 170°c	eet! Clean burn marks	from PP before fusing.









Sample Base material	s Print materials Coat	ting Application	
Sample no. 52	Sample name Wadding	/PP Simple Fold 2	
Date14-07-2008			<image/>
Base Material ID	JL1006 Frosted PP (800 microns)	Material start size Material finished size Material stretched size	31.75h x 28w 18.5h x 11w x 2.5d
Print material		Material Stretched Size	
Coating	-		
Techniques used	 Stitch OSilk-screen Mould OTransfer Pr 		ninate OHeat set er cut OOther
Production description	teflon sheets. PP place	d 2 mount board width ng placed on top. All p	secs between lightweight is apart on top (pritt down). 1 ressed @ 170°c for 30 secs. for 30 secs.
Finishing process	Left flat on bed weighte	d with board until coole	ed. Origami folded.
Positive outcomes & observations		olded. Fabric face clear	ugh to fold easily and for ner due to clean up of PP o.
Problems encountered	Back side of fabric has pressing	bubbled i.e. the side th	at is face down on 1st
Future amendments	Try flipping without cool	ing on 1st and 2nd pre	essings.



Sample Base material	s Print materials Coat	ting Application	
Sample no. 54	sample name Square F	Fold Wadding/PP Bond	I
			<image/>
Date 29-07-2008			
Base Material ID	JL1006 Frosted PP (800 microns)	Material start size Material finished size Material stretched size	30h x 30w 19h x 20w x 3.25d
Print material	-		
Coating	-		
Techniques used	O Stitch O Silk-screen O Mould O Transfer Pr	● Origami ● Larr int O Bond ● Las	ninate Heat set er cut OOther
Production description	Heat press 1 layer of was smooth side down, PP p un-pressed wadding pla Cooled. Flipped and rep	placed 2 mount board vaced on top. All presse	widths apart on top. 1 layer d @ 175°c for 30 secs.
Finishing process	Left flat on bedweighted	l with board until coole	d. Origami folded.
Positive outcomes & observations	Final fold worked despit complex at this scale to pretty much locked in pl	retain mobility of hinge	acement. Pattern too es. Once folded sample
Problems encountered	V. diff to glue PP accura Laser cut burns had to l	ately as no margin left be buffed out w scoure	in laser cut for hinge space. r.
Future amendments	Create cut file w bridges coloured PP or alternati		re: hinges. Consider using arks. Try larger scale.

Sample Base material	s Print materials Coa	ting Application	
Sample no. 55	Sample name Wooden	Fold 1	
Date 11-09-2008			
Base Material ID	JL1006 Paper backed wood veneer (4D Models)	Material start size Material finished size Material stretched size	9.5 x 10
Print material	-		
Coating	Bostik Fast Tack: Heav	y duty multipurpose sp	ray adhesive
Techniques used	O Stitch O Silk-screen O Mould O Transfer Pi		inate OHeat set er cut OOther
Production description	2 layers wadding press Wood tiles laser cut. Spray both wadding and substrate to bond.		ecs. for 3 mins. Press wood onto
Finishing process	Leave 24 hrs to cure		
Positive outcomes & observations	Bond is good. (*change Spray is quite heavy an (heavier and more waxy	d completely coats the	fabric, changing its handle
Problems encountered	Glue leaves fabric tacky *After time the wood tile	y long after it should be e can be easily separate	completely dry. ed from substrate.
Future amendments	Only spray wood. Try alternative adhesive	es.	

Sample no. 56	Sample name Wooden	Fold 2	
Date 11-09-2008			
Base Material ID	JL1006 Paper backed wood veneer (4D Models)	Material start size Material finished size Material stretched size	8.75 x 9.5
Print material	-		
Coating	Bostik Fast Tack: Heavy	/ duty multipurpose spi	ray adhesive
Techniques used	O Stitch O Silk-screen O Mould O Transfer Pr	O Origami O Lam int	inate OHeat set er cut OOther
Production description	1 layer wadding pressed Wood tiles laser cut. Spray back of wood. Le bond.	d @ 165°c x 30 secs.	
Finishing process	Leave 24 hrs to cure		
Positive outcomes & observations	Bond good even with just Fabric retains original ha	st 1 side coated (*chan andle in non-bonded a	iges over time). reas.
Problems encountered	Glue bleeds onto front s	ide of wood spoiling th	e finish.

Problems encounteredGlue bleeds onto front side of wood spoiling the finish.
*After time the wood tile can be easily separated from substrate.Future amendmentsTry sanding to improve finish or sticking wood into masking tape face
down to protect before spraying.

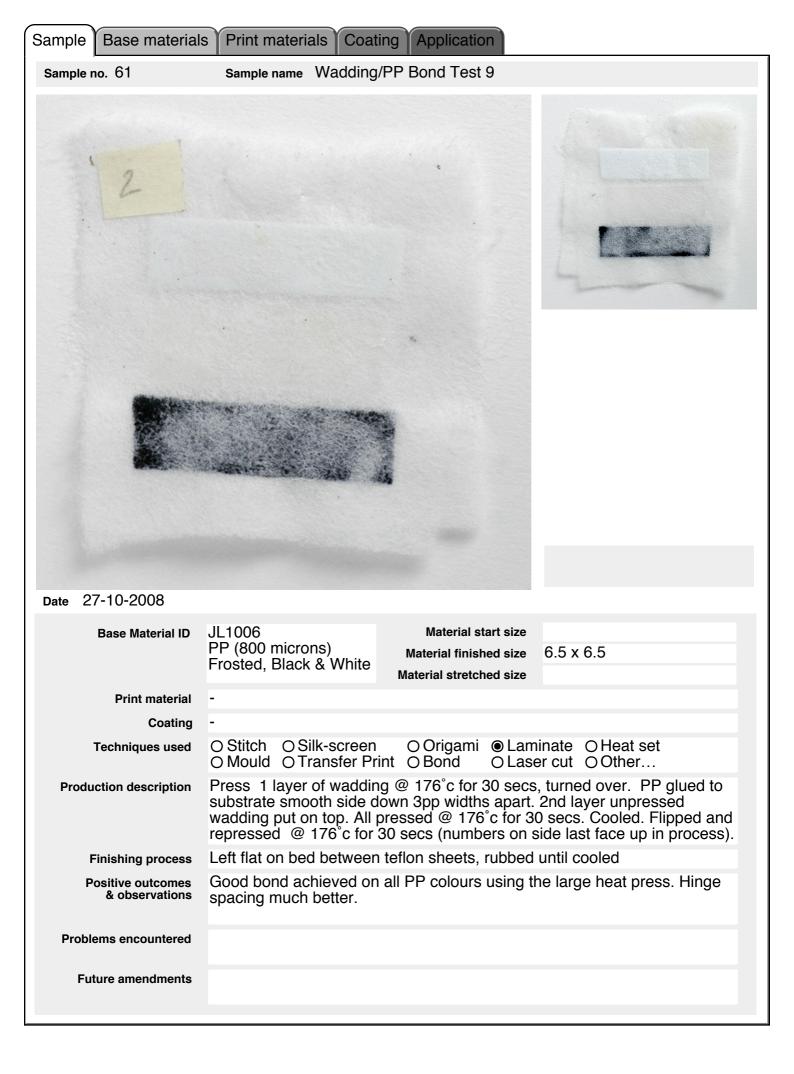
ample no. 57	Sample name Wooden	Fold 3	
ate 11-09-2008			
ate 11-09-2008 Base Material ID	JL1006 Paper backed wood veneer (4D Models)	Material start size Material finished size Material stretched size	9 x 9.5
	Paper backed wood	Material finished size	9 x 9.5
Base Material ID	Paper backed wood veneer (4D Models)	Material finished size Material stretched size	
Base Material ID Print material	Paper backed wood veneer (4D Models) -	Material finished size Material stretched size y duty multipurpose sp O Origami O Lam	
Base Material ID Print material Coating	Paper backed wood veneer (4D Models) - Bostik Fast Tack: Heavy O Stitch O Silk-screen	Material finished size Material stretched size y duty multipurpose sp O Origami O Lam rint O Bond O Las d @ 165°c x 30 secs.	ray adhesive hinate OHeat set er cut OOther
Base Material ID Print material Coating Techniques used	Paper backed wood veneer (4D Models) - Bostik Fast Tack: Heavy O Stitch O Silk-screen O Mould O Transfer Pr 1 layer wadding presser Wood tiles laser cut. Spray back of wood. Le	Material finished size Material stretched size y duty multipurpose sp O Origami O Lam rint O Bond O Las d @ 165°c x 30 secs. eave for 2 mins. Press y	ray adhesive hinate OHeat set er cut OOther wood onto substrate to
Base Material ID Print material Coating Techniques used Production description	Paper backed wood veneer (4D Models) - Bostik Fast Tack: Heavy O Stitch O Silk-screen O Mould O Transfer Pr 1 layer wadding pressed Wood tiles laser cut. Spray back of wood. Le bond. Leave 24 hrs to cure. Li	Material finished size Material stretched size y duty multipurpose sp ○ Origami ○ Lam int ● Bond ● Las d @ 165°c x 30 secs. eave for 2 mins. Press w ghtly sand with fine gra	ray adhesive hinate OHeat set er cut OOther wood onto substrate to
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	Paper backed wood veneer (4D Models) - Bostik Fast Tack: Heavy O Stitch O Silk-screen O Mould O Transfer Pr 1 layer wadding pressed Wood tiles laser cut. Spray back of wood. Le bond. Leave 24 hrs to cure. Li	Material finished size Material stretched size y duty multipurpose sp ○ Origami ○ Lan int ● Bond ● Las d @ 165°c x 30 secs. ave for 2 mins. Press w ghtly sand with fine gra earance removing any s	ray adhesive hinate O Heat set er cut O Other wood onto substrate to ade sandpaper shiny/ lumpy glue residues.

Sample Base material	s Print materials Coat	ting Application	
Sample no. 58	Sample name Wooden	Fold 4	
Date 11-09-2008			
Base Material ID	JL1006 Paper backed wood veneer (4D Models)	Material start size Material finished size Material stretched size	10.5 x 9.5
Print material	-		
Coating	Bostik Fast Tack: Heavy	y duty multipurpose sp	ray adhesive
Techniques used	O Stitch O Silk-screen O Mould O Transfer Pr	O Origami O Lam rint	ninate OHeat set er cut OOther
Production description	2 layers wadding presse Wood tiles laser cut the widths apart. Board plac mins. Wadding laid on t	n pressed face down in ced vertically to spray b	nto masking tape 3 PP
Finishing process	Sample lifted from mask	king tape after approx	10mins. Left 24 hrs to cure.
Positive outcomes & observations	Good gap distance for f placement of wooden til Double layer of wadding	les with no permanent	after effect.
Problems encountered	Still some leakage of gle *After time the wood tile		
Future amendments	Lightly sand to remove Heat set to final shape.	surface glue to finish.	

Sample Base material	s Print materials Coat	ting Application	
Sample no. 58a	Sample name Wooden	Simple Fold	
		\rightarrow	
		5	
\rightarrow			$\langle - \rangle$
4			
\rightarrow			
Date 11-09-2008		11 11	
Base Material ID	JL1006 Paper backed wood veneer (4D Models)	Material start size Material finished size Material stretched size	31.5 x 22 -
Print material	-		
Coating	Bostik Fast Tack: Heavy	y duty multipurpose sp	ray adhesive
Techniques used	O Stitch O Silk-screen O Mould O Transfer Pr		ninate OHeat set er cut OOther
Production description	2 layers wadding presse Wood tiles laser cut the widths apart. Board plac mins. Wadding laid on t	n pressed face down ii ced vertically to spray l	nto masking tape 3 PP
Finishing process	Lifted from masking tap	e after 10mins. Left 24	hrs to cure. Sanded lightly.
Positive outcomes & observations	Good gap distance for f placement of wooden til Double layer of wadding	les with no permanent	after effect.
Problems encountered	Sample misplaced for lo couldn't fold final shape		d glue bond perished and so
Future amendments	Use different adhesive. Heat set to final shape.		

Sample no. 59	Sample name Wadding/	PP Bond Test 7	
Date 27-10-2008			
Date 27-10-2008 Base Material ID	JL1006 PP (800 microns) Frosted, Black & White	Material start size Material finished size Material stretched size	8 x 10
	PP (800 microns)	Material finished size	8 x 10
Base Material ID	PP (800 microns) Frosted, Black & White	Material finished size	8 x 10
Base Material ID Print material	PP (800 microns) Frosted, Black & White	Material finished size Material stretched size	ninate OHeat set
Base Material ID Print material Coating	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Prin Press 1 layer of wadding widths apart on top (pritt	Material finished size Material stretched size O Origami O Lam t O Bond O Lase g @ 171°c for 30 secs down). 1 layer unpres 30 secs. Cooled. Flipp	ninate OHeat set
Base Material ID Print material Coating Techniques used	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Print Press 1 layer of wadding widths apart on top (pritt All pressed @ 172°c for 3 for 30 secs. Pressed aga	Material finished size Material stretched size O Origami O Lam to Bond O Lase g @ 171°c for 30 secs down). 1 layer unpres 30 secs. Cooled. Flipp in @ 170°c	ninate OHeat set er cut OOther s. PP placed 2 mount board ssed wadding placed on top.
Base Material ID Print material Coating Techniques used Production description	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Print Press 1 layer of wadding widths apart on top (pritt All pressed @ 172°c for 3 for 30 secs. Pressed aga	Material finished size Material stretched size O Origami O Lase D Bond O Lase g @ 171°c for 30 secs down). 1 layer unpres 30 secs. Cooled. Flipp tin @ 170°c teflon sheets, weighte	hinate OHeat set er cut OOther c. PP placed 2 mount board ssed wadding placed on top. bed and repressed @ 170°c ed with board until cooled
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Print Press 1 layer of wadding widths apart on top (pritt All pressed @ 172°c for 3 for 30 secs. Pressed aga Left flat on bed between Seems to work well enou overheating marginally.	Material finished size Material stretched size O Origami O Lam to Bond O Lase g @ 171°c for 30 secs down). 1 layer unpres 30 secs. Cooled. Flipp in @ 170°c teflon sheets, weighte igh in the large heat p	ninate O Heat set er cut O Other s. PP placed 2 mount board ssed wadding placed on top. bed and repressed @ 170°c ed with board until cooled press although press







	Sample name Wadding/	PP Bond Test 11	
4			
Date 27-10-2008			
Base Material ID	JL1006 PP (800 microns) Frosted, Black & White	Material start size Material finished size Material stretched size	5 x 7
Base Material ID Print material	PP (800 microns)	Material finished size	5 x 7
	PP (800 microns) Frosted, Black & White	Material finished size	5 x 7
Print material	PP (800 microns) Frosted, Black & White	Material finished size Material stretched size	ninate OHeat set
Print material Coating	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pri Press 1 layer of wadding substrate rough side dow wadding placed on top.	Material finished size Material stretched size O Origami O Lam nt O Bond O Las g @ 176°c for 30 secs vn 3pp widths apart. 2 All pressed @ 176°c for	ninate OHeat set er cut OOther s, turned over. PP glued to
Print material Coating Techniques used	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pri Press 1 layer of wadding substrate rough side dow wadding placed on top.	Material finished size Material stretched size O Origami O Lam nt O Bond O Las g @ 176°c for 30 secs vn 3pp widths apart. 2 All pressed @ 176°c for for 30 secs, (numbers	ninate OHeat set er cut OOther s, turned over. PP glued to end layer unpressed or 30 secs. Cooled. Flipped s added to side last face up
Print material Coating Techniques used Production description	PP (800 microns) Frosted, Black & White - - - O Stitch O Silk-screen O Mould O Transfer Pri Press 1 layer of wadding substrate rough side dow wadding placed on top. / and repressed @ 176°c Left flat on bed between	Material finished size Material stretched size Material stretched size O Origami	ninate OHeat set er cut OOther s, turned over. PP glued to end layer unpressed or 30 secs. Cooled. Flipped s added to side last face up
Print material Coating Techniques used Production description Finishing process Positive outcomes	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pri Press 1 layer of wadding substrate rough side dow wadding placed on top. / and repressed @ 176°c Left flat on bed between Good bond achieved on	Material finished size Material stretched size Material stretched size O Origami	hinate O Heat set er cut O Other s, turned over. PP glued to and layer unpressed or 30 secs. Cooled. Flipped s added to side last face up until cooled

ample no. 64	Sample name Alternativ	e substrate test 1	
ate 27-10-2008			
ate 27-10-2008 Base Material ID	TH1001 PP (800 microns) Frosted, Black & White	Material start size Material finished size Material stretched size	6 x 8
	PP (800 microns)	Material finished size	6 x 8
Base Material ID	PP (800 microns) Frosted, Black & White -	Material finished size	6 x 8
Base Material ID Print material	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pr	Material finished size Material stretched size O Origami O Lam int O Bond O Lase	ninate OHeat set er cut OOther
Base Material ID Print material Coating	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pr	Material finished size Material stretched size	ninate OHeat set er cut OOther @ 171°c for 30 secs.
Base Material ID Print material Coating Techniques used	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pr PP glued to substrate ro Repressed @ 180°c for	Material finished size Material stretched size O Origami O Lam int O Bond O Lase ough side up. Pressed 30 secs, (same side,	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up).
Base Material ID Print material Coating Techniques used Production description	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pri PP glued to substrate ro Repressed @ 180°c for Left flat on bed between Bonded OK after second	Material finished size Material stretched size	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up).
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pri PP glued to substrate ro Repressed @ 180°c for Left flat on bed between Bonded OK after second	Material finished size Material stretched size	ninate O Heat set er cut O Other @ 171°c for 30 secs. pp facing up). until cooled

ample no. 65	Sample name Alternativ	e substrate test 2	
ate 27-10-2008			
ate 27-10-2008 Base Material ID	TH1001 PP (800 microns) Frosted, Black & White	Material start size Material finished size Material stretched size	6 x 7
	PP (800 microns)	Material finished size	6 x 7
Base Material ID	PP (800 microns)	Material finished size	6 x 7
Base Material ID Print material	PP (800 microns)	Material finished size Material stretched size O Origami	
Base Material ID Print material Coating	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pri	Material finished size Material stretched size O Origami O Lam nt O Bond O Lase	ninate OHeat set
Base Material ID Print material Coating Techniques used	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pri PP glued to substrate ro 171 °c for 30 secs. Repre	Material finished size Material stretched size	ninate OHeat set er cut OOther er hinge gap. Pressed @ secs, (same side, pp facing
Base Material ID Print material Coating Techniques used Production description	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pri PP glued to substrate ro 171°c for 30 secs. Repre- up).	Material finished size Material stretched size	ninate OHeat set er cut OOther er hinge gap. Pressed @ secs, (same side, pp facing
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pri PP glued to substrate ro 171°c for 30 secs. Repre- up). Left flat on bed between Hinge gap better than sa	Material finished size Material stretched size	ninate OHeat set er cut OOther er hinge gap. Pressed @ secs, (same side, pp facing

ample no. 66	Sample name Alternativ	ve substrate test 3	
			*
-			
-			
ate 27-10-2008			
ate 27-10-2008 Base Material ID	LV1001 PP (800 microns) Frosted, Black & White	Material start size Material finished size Material stretched size	6.2 x 6.5
	PP (800 microns)	Material finished size	6.2 x 6.5
Base Material ID	PP (800 microns) Frosted, Black & White	Material finished size	6.2 x 6.5
Base Material ID Print material Coating Techniques used	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pr	Material finished size Material stretched size O Origami O Lase	iinate OHeat set er cut OOther
Base Material ID Print material Coating	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen	Material finished size Material stretched size O Origami O Lam int O Bond O Lase ough side up. Pressed	ninate OHeat set er cut OOther @ 171°c for 30 secs.
Base Material ID Print material Coating Techniques used	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pr PP glued to substrate ro	Material finished size Material stretched size O Origami O Lam int O Bond O Lase ough side up. Pressed 30 secs, (same side,	ainate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up).
Base Material ID Print material Coating Techniques used Production description	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pr PP glued to substrate ro Repressed @ 180°c for Left flat on bed between	Material finished size Material stretched size O Origami O Lam int O Bond O Lase ough side up. Pressed 30 secs, (same side, teflon sheets, rubbed though a relatively thic	ainate O Heat set er cut O Other @ 171°c for 30 secs. pp facing up). until cooled ck spacer fabric folds well
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pr PP glued to substrate ro Repressed @ 180°c for Left flat on bed between Bonded very well and al too. Nice aesthetic on si	Material finished size Material stretched size O Origami O Lam int O Bond O Lase ough side up. Pressed 30 secs, (same side, teflon sheets, rubbed though a relatively thic ide that you don't see t	ainate O Heat set er cut O Other @ 171°c for 30 secs. pp facing up). until cooled ck spacer fabric folds well

ample no.	67	Sample name Alternativ	ve substrate test 4	
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ate 27-1	10-2008	an an anna an		
	10-2008 ase Material ID	LV1002	Material start size	
		LV1002 PP (800 microns)	Material start size Material finished size	5 x 6.8
	ase Material ID	LV1002 PP (800 microns) Frosted, Black & White		5 x 6.8
	ase Material ID Print material	LV1002 PP (800 microns)	Material finished size	5 x 6.8
Ba	ase Material ID	LV1002 PP (800 microns) Frosted, Black & White	Material finished size Material stretched size	inate OHeat set
Ba Teo	ase Material ID Print material Coating	LV1002 PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pr PP glued to substrate ro	Material finished size Material stretched size O Origami O Lam int O Bond O Lase ough side up, matching secs. Repressed @ 1 (With hindsight I do	inate O Heat set er cut O Other direction of ribs in fabric. 80°c for 30 secs, (same on't know why I didn't press
Ba Teo Productio	ese Material ID Print material Coating chniques used	LV1002 PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pr PP glued to substrate ro Pressed @ 171°c for 30 side, pp facing up).	Material finished size Material stretched size O Origami O Lam int O Bond O Lase ough side up, matching secs. Repressed @ 1 (With hindsight I do but for longer or at high	inate O Heat set er cut O Other direction of ribs in fabric. 80°c for 30 secs, (same on't know why I didn't press her temperature.)
Ba Teo Productio Fini Posi	ese Material ID Print material Coating chniques used on description	LV1002 PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pr PP glued to substrate ro Pressed @ 171°c for 30 side, pp facing up). all these samples once	Material finished size Material stretched size O Origami O Lam int O Bond O Lase ough side up, matching secs. Repressed @ 1 (With hindsight I do but for longer or at high teflon sheets, rubbed	inate O Heat set er cut O Other direction of ribs in fabric. 80°c for 30 secs, (same on't know why I didn't press her temperature.)
Ba Teo Productio Fini Posi 8	ese Material ID Print material Coating chniques used on description shing process tive outcomes	LV1002 PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pr PP glued to substrate ro Pressed @ 171°c for 30 side, pp facing up). all these samples once Left flat on bed between Bonded very well and for	Material finished size Material stretched size Material stretched size O Origami O Lam int O Bond O Lase ough side up, matching secs. Repressed @ 1 (With hindsight I do but for longer or at high teflon sheets, rubbed olds OK too.	inate O Heat set er cut O Other direction of ribs in fabric. 80°c for 30 secs, (same on't know why I didn't press her temperature.)



Sample no. 69	Sample name Alternativ	e substrate test 6	
Date 27-10-2008			
Date 27-10-2008 Base Material ID	JH1001 PP (800 microns) Frosted, Black & White	Material start size Material finished size Material stretched size	5 x 6
	PP (800 microns)	Material finished size	5 x 6
Base Material ID	PP (800 microns) Frosted, Black & White	Material finished size	5 x 6
Base Material ID Print material	PP (800 microns) Frosted, Black & White	Material finished size Material stretched size	
Base Material ID Print material Coating	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pr PP glued to substrate ro Pressed @ 171°c for 30	Material finished size Material stretched size O Origami O Lam int O Bond O Lase bugh side up, parallel to secs. Repressed @ ² ped and repressed @	inate OHeat set
Base Material ID Print material Coating Techniques used	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pr PP glued to substrate ro Pressed @ 171°c for 30 side, pp facing up). Flip	Material finished size Material stretched size O Origami O Lam int O Bond O Lase ough side up, parallel to secs. Repressed @ 190°c for 30 secs	hinate OHeat set er cut OOther o direction of ribs in fabric. 180°c for 30 secs, (same 180°c for 30 secs (pp facing
Base Material ID Print material Coating Techniques used Production description	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pr PP glued to substrate ro Pressed @ 171°c for 30 side, pp facing up). Flip down), repressed again	Material finished size Material stretched size Material stretched size O Origami O Lam int O Bond O Lase ough side up, parallel to secs. Repressed @ 1 ped and repressed @ @ 190°c for 30 secs teflon sheets, rubbed	hinate OHeat set er cut OOther o direction of ribs in fabric. 180°c for 30 secs, (same 180°c for 30 secs (pp facing until cooled
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pr PP glued to substrate ro Pressed @ 171°c for 30 side, pp facing up). Flip down), repressed again Left flat on bed between Ribbed texture of fabric	Material finished size Material stretched size Material stretched size O Origami O Lam int O Bond O Lase ough side up, parallel to secs. Repressed @ 1 ped and repressed @ @ 190°c for 30 secs teflon sheets, rubbed creates a banded patt	hinate OHeat set er cut OOther o direction of ribs in fabric. 180°c for 30 secs, (same 180°c for 30 secs (pp facing until cooled



Sample no. 71	Sample name Alternativ	ve substrate test 8	
Sample no. 71	Sample name Alternativ	ve substrate test 8	
Date 27-10-2008			
Date 27-10-2008 Base Material ID	KS1002 PP (800 microns) Frosted, Black & White	Material start size Material finished size Material stretched size	5 x 6.5
	PP (800 microns) Frosted, Black & White	Material finished size	5 x 6.5
Base Material ID	PP (800 microns) Frosted, Black & White	Material finished size	5 x 6.5
Base Material ID Print material	PP (800 microns) Frosted, Black & White -	Material finished size Material stretched size	inate OHeat set
Base Material ID Print material Coating	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pr PP glued to substrate ro	Material finished size Material stretched size O Origami O Lam int O Bond O Lase ough side up. Pressed r 30 secs, (same side,	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and
Base Material ID Print material Coating Techniques used	PP (800 microns) Frosted, Black & White - O Stitch O Silk-screen O Mould O Transfer Pr PP glued to substrate ro Repressed @ 180°c for 190°c for 30 secs	Material finished size Material stretched size O Origami O Lam int O Bond O Lase ough side up. Pressed r 30 secs, (same side, 30 secs (pp facing dow	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and m), repressed again @
Base Material ID Print material Coating Techniques used Production description	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pr PP glued to substrate ro Repressed @ 180°c for 190°c for 30 secs Left flat on bed betweer	Material finished size Material stretched size O Origami O Lam int O Bond O Lase ough side up. Pressed r 30 secs, (same side, 30 secs (pp facing dow	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and m), repressed again @
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	 PP (800 microns) Frosted, Black & White - O Stitch O Silk-screen O Mould O Transfer Pr PP glued to substrate ro Repressed @ 180°c for 190°c for 30 secs Left flat on bed betweer None of the PP colours 	Material finished size Material stretched size O Origami O Lam int O Bond O Lase ough side up. Pressed r 30 secs, (same side, 30 secs (pp facing dow n teflon sheets, rubbed	ninate O Heat set er cut O Other @ 171°c for 30 secs. pp facing up). Flipped and m), repressed again @ until cooled

Sample B	ase materials	Print materials Coat	ing Application	
Sample no.	72	Sample name Alternativ	ve substrate test 9	
Date 27-1	0-2008			
Ba		KS1003 PP (800 microns) Black & White	Material start size Material finished size Material stretched size	2.5 x 12.5
	Print material	-		
	Coating	-		
Тес	hniques used	O Stitch O Silk-screen O Mould O Transfer Pr		ninate OHeat set er cut OOther
Productio	on description	PP glued to substrate ro Repressed @ 180°c for repressed @ 180°c for 3 190°c for 30 secs	30 secs, (same side,	pp facing up). Flipped and
Finis	shing process	Left flat on bed between	n teflon sheets, rubbed	until cooled
Posit	tive outcomes observations			
Problems	s encountered	Neither PP colour bonde temp. Perhaps substrate	ed well @ lower temps e too coated or too sm	s so had to keep increasing ooth to bond well
Future	e amendments	Try using in tandem with	n hot melt adhesive filn	n.

Sample no. 73		Sample name Alternat	ive substrate test 10	
		KS1004 PP (800 microns)	Material start size	3.5 x 9.5
Base M	laterial ID	PP (800 microns) Black & White		3.5 x 9.5
Base M	laterial ID t material	PP (800 microns) Black & White -	Material finished size	3.5 x 9.5
Base M Prin	laterial ID	PP (800 microns) Black & White - -	Material finished size	
Base M Prin	laterial ID t material Coating jues used	PP (800 microns) Black & White - - O Stitch O Silk-screer O Mould O Transfer P PP glued to substrate r Repressed @ 180°c fo	Material finished size Material stretched size n O Origami O Lase Print O Bond O Lase rough side up. Pressed	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and
Base M Prin Techniq Production de	laterial ID t material Coating jues used	PP (800 microns) Black & White - O Stitch O Silk-screer O Mould O Transfer P PP glued to substrate r Repressed @ 180°c for 190°c for 30 secs	Material finished size Material stretched size n O Origami O Lam Print O Bond O Lase rough side up. Pressed or 30 secs, (same side,	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and /n), repressed again @
Base M Prin Techniq Production de Finishing Positive d	laterial ID t material Coating jues used escription	PP (800 microns) Black & White - O Stitch O Silk-screer O Mould O Transfer P PP glued to substrate r Repressed @ 180°c for 190°c for 30 secs	Material finished size Material stretched size n O Origami O Lam Print O Bond O Lase rough side up. Pressed or 30 secs, (same side, 30 secs (pp facing dow	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and /n), repressed again @
Base M Prin Techniq Production de Finishing Positive d	laterial ID t material Coating Jues used escription g process putcomes servations	PP (800 microns) Black & White - - O Stitch O Silk-screer O Mould O Transfer P PP glued to substrate r Repressed @ 180°c for 190°c for 30 secs Left flat on bed betwee Neither PP colour bond	Material finished size Material stretched size Material stretched size Origami O Lase rough side up. Pressed or 30 secs, (same side, 30 secs (pp facing dow n teflon sheets, rubbed	hinate O Heat set er cut O Other @ 171°c for 30 secs. pp facing up). Flipped and /n), repressed again @ until cooled

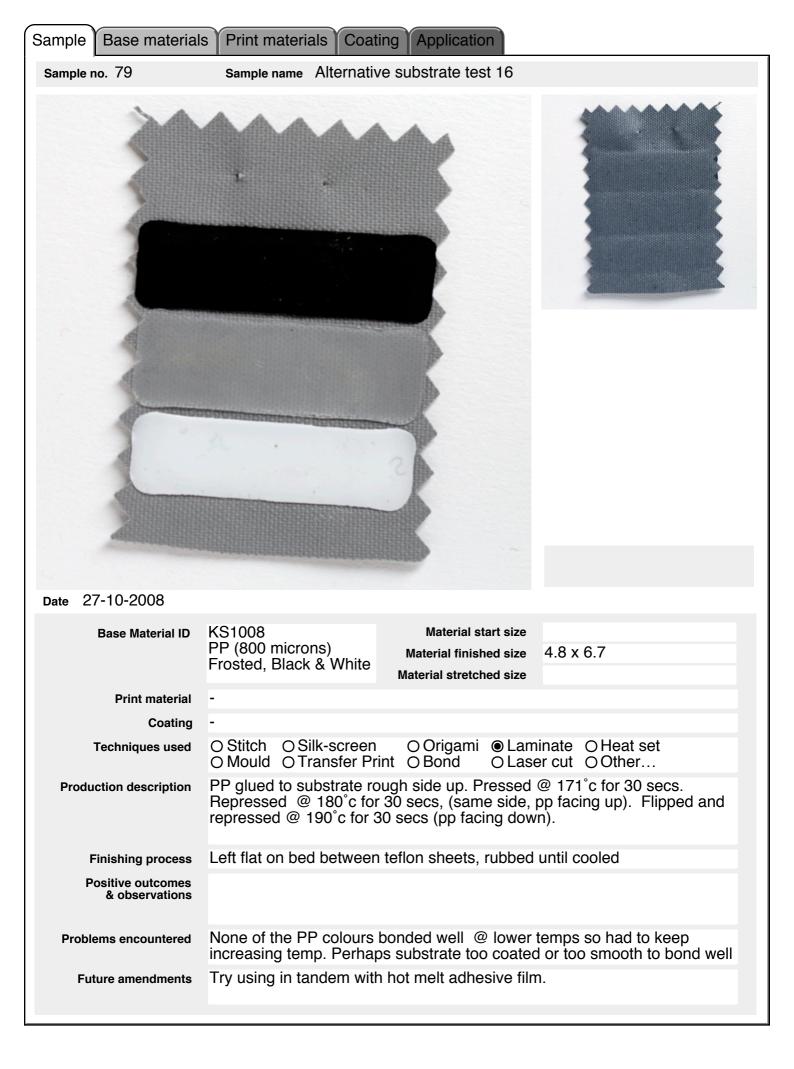
-		Sample name Alte	rnative substrate test 11	
ate 27-10-200 Base Mat		KS1005 PP (800 microns) Black & White	Material start size Material finished size Material stretched size	3.5 x 4
Base Mat		PP (800 microns)	Material finished size	3.5 x 4
Base Mat Print r	terial ID	PP (800 microns) Black & White	Material finished size	3.5 x 4
Base Mat Print r	terial ID material Coating	PP (800 microns) Black & White - -	Material finished size Material stretched size	
Base Mat Print r	terial ID material Coating les used	PP (800 microns) Black & White - - O Stitch O Silk-so O Mould O Transf PP glued to substr Repressed @ 180	Material finished size Material stretched size	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and
Base Mat Print r Technique	terial ID material Coating les used	PP (800 microns) Black & White - - O Stitch O Silk-so O Mould O Transf PP glued to substr Repressed @ 180 repressed @ 180 190°c for 30 secs.	Material finished size Material stretched size Creen O Origami O Lam fer Print O Bond O Lase ate rough side up. Pressed of c for 30 secs, (same side,	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and n), repressed again @
Base Mat Print r Technique Production dese Finishing p Positive ou	terial ID material Coating les used scription	PP (800 microns) Black & White - - O Stitch O Silk-so O Mould O Transf PP glued to substr Repressed @ 180 repressed @ 180 190°c for 30 secs.	Material finished size Material stretched size Creen O Origami O Lam fer Print O Bond O Lase ate rough side up. Pressed of c for 30 secs, (same side, c for 30 secs (pp facing dow	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and n), repressed again @
Base Mat Print r Technique Production dese Finishing p Positive ou	terial ID material Coating les used scription process utcomes rvations	PP (800 microns) Black & White - O Stitch O Silk-so O Mould O Transf PP glued to substr Repressed @ 180 repressed @ 180 190°c for 30 secs. Left flat on bed bet Neither PP colour	Material finished size Material stretched size Creen O Origami O Lam fer Print O Bond O Lase ate rough side up. Pressed of c for 30 secs, (same side, c for 30 secs (pp facing dow	hinate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and n), repressed again @ until cooled

Sample no. 75	5	Sample name	Alternative	substrate test 12	
Date 27-10-2	2008				
	2008 Material ID	KS1006 PP (800 micron Frosted, Black		Material start size Material finished size Material stretched size	5 x 7
Base I		PP (800 micro		Material finished size	5 x 7
Base I	Material ID	PP (800 micro Frosted, Black		Material finished size	5 x 7
Base I Prin	Material ID Int material	PP (800 micron Frosted, Black - - O Stitch O Si	& White	Material finished size	inate OHeat set
Base I Prin	Material ID Int material Coating iques used	PP (800 micron Frosted, Black - - O Stitch O Si O Mould O Tr PP glued to su Repressed @	& White Ik-screen ansfer Prin 180°c for 3 80°c for 30	Material finished size Material stretched size O Origami O Lam t O Bond O Lase gh side up. Pressed 30 secs, (same side, j	inate OHeat set
Base M Prin Technic Production d	Material ID Int material Coating iques used	PP (800 micron Frosted, Black - - O Stitch O Si O Mould O Tr PP glued to su Repressed @ repressed @ 1 190°c for 30 se	& White Ik-screen ansfer Prin Ibstrate rou 180°c for 30 80°c for 30	Material finished size Material stretched size O Origami O Lam t O Bond O Lase gh side up. Pressed 30 secs, (same side, j	inate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and n), repressed again @
Base I Prin Technic Production d Finishin Positive	Material ID Int material Coating iques used description	PP (800 micron Frosted, Black - - O Stitch O Si O Mould O Tr PP glued to su Repressed @ repressed @ 1 190°c for 30 se	& White Ik-screen ansfer Prin Ibstrate rou 180°c for 30 80°c for 30	Material finished size Material stretched size O Origami O Lam t O Bond O Lase gh side up. Pressed 30 secs, (same side, j secs (pp facing dow	inate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and n), repressed again @
Base I Prin Technic Production d Finishin Positive	Material ID Int material Coating iques used description Ing process outcomes oservations	PP (800 micron Frosted, Black - - O Stitch O Si O Mould O Tr PP glued to su Repressed @ repressed @ 190°c for 30 se Left flat on bec	& White Ik-screen ansfer Prin Ibstrate rou 180°c for 30 ecs. I between t	Material finished size Material stretched size O Origami O Lam t O Bond O Lase gh side up. Pressed 30 secs, (same side, j secs (pp facing dow eflon sheets, rubbed	inate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and n), repressed again @

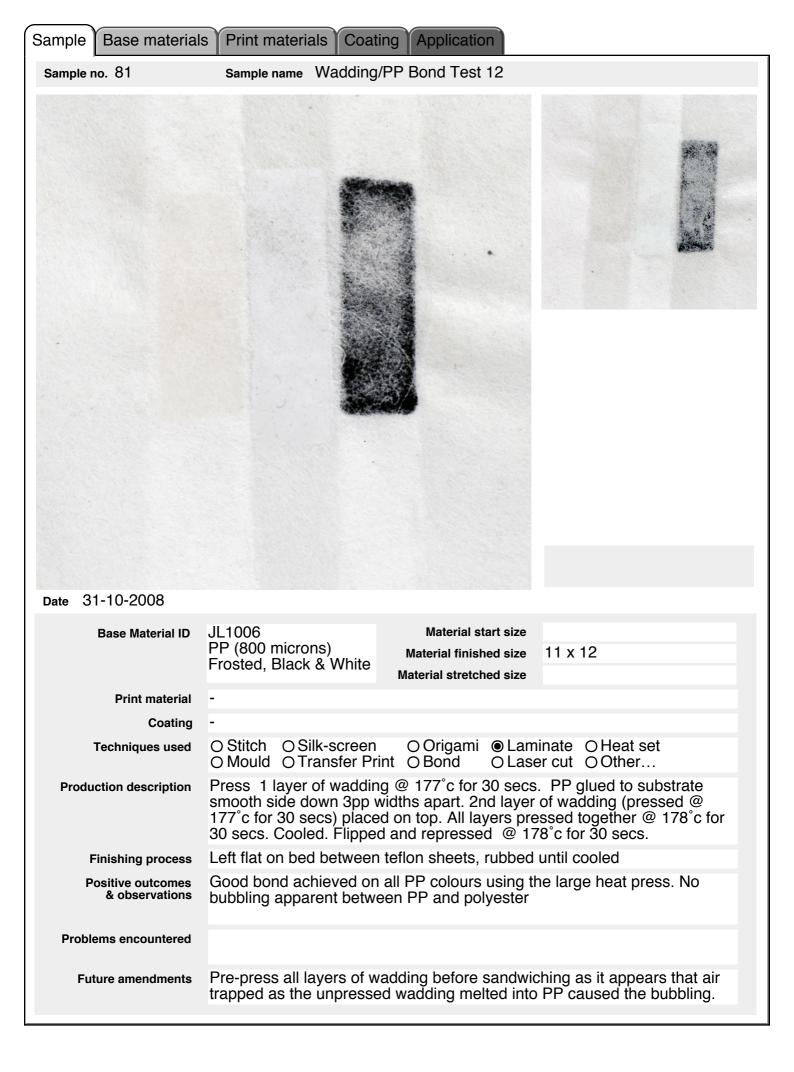
ample no. 76	Sample name Alter	native substrate test 13	
利用的时代			
ate 27-10-2008			
ate 27-10-2008 Base Material ID	JH1002 PP (800 microns) Frosted, Black & Wi	hite Material start size Material finished size Material stretched size	5.5 x 6.2
	PP (800 microns)	Material finished size	5.5 x 6.2
Base Material ID	PP (800 microns) Frosted, Black & W	Material finished size	5.5 x 6.2
Base Material ID Print material	PP (800 microns) Frosted, Black & Wl - - O Stitch O Silk-sci	Material finished size Material stretched size	ninate OHeat set
Base Material ID Print material Coating	PP (800 microns) Frosted, Black & Wl - - O Stitch O Silk-sci O Mould O Transfe PP glued to substra Repressed @ 180°	Material finished size Material stretched size reen O Origami O Lamer Print O Bond O Lase Ite rough side up. Pressed	ninate O Heat set er cut O Other @ 171°c for 30 secs. pp facing up). Flipped and
Base Material ID Print material Coating Techniques used	PP (800 microns) Frosted, Black & Wi - - O Stitch O Silk-sci O Mould O Transfe PP glued to substra Repressed @ 180° repressed @ 180° 190°c for 30 secs.	Material finished size Material stretched size reen O Origami O Lamer Print O Bond O Lase te rough side up. Pressed c for 30 secs. (same side.	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and rn), repressed again @
Base Material ID Print material Coating Techniques used Production description	PP (800 microns) Frosted, Black & Wi - - O Stitch O Silk-sci O Mould O Transfe PP glued to substra Repressed @ 180° repressed @ 180° 190°c for 30 secs.	Material finished size Material stretched size reen O Origami O Lam er Print O Bond O Lase te rough side up. Pressed c for 30 secs, (same side, for 30 secs (pp facing dow	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and rn), repressed again @
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	PP (800 microns) Frosted, Black & Wi - - O Stitch O Silk-sci O Mould O Transfe PP glued to substra Repressed @ 180°c 190°c for 30 secs. Left flat on bed betw None of the PP colo	Material finished size Material stretched size Material stretched size reen O Origami O Lame er Print O Bond O Lase te rough side up. Pressed c for 30 secs, (same side, for 30 secs (pp facing dow veen teflon sheets, rubbed	hinate O Heat set er cut O Other @ 171°c for 30 secs. pp facing up). Flipped and n), repressed again @ until cooled

ample no. 77	Sample name Alternativ	e substrate test 14	
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3 4			
27-10-2008	hanne		
ate 27-10-2008			
ate 27-10-2008 Base Material ID	JH1003 PP (800 microns)	Material start size	6.0 × 7.0
	JH1003 PP (800 microns) Frosted, Black & White	Material finished size	6.3 x 7.2
Base Material ID	PP (800 microns)		6.3 x 7.2
Base Material ID Print material	PP (800 microns) Frosted, Black & White -	Material finished size	6.3 x 7.2
Base Material ID Print material Coating	PP (800 microns) Frosted, Black & White -	Material finished size Material stretched size	
Base Material ID Print material	PP (800 microns) Frosted, Black & White -	Material finished size Material stretched size	
Base Material ID Print material Coating	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pri PP glued to substrate ro	Material finished size Material stretched size O Origami O Lase nt O Bond O Lase ugh side up. Pressed	iinate OHeat set er cut OOther @ 171°c for 30 secs.
Base Material ID Print material Coating Techniques used	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pri PP glued to substrate ro Repressed @ 180°c for repressed @ 180°c for 3	Material finished size Material stretched size O Origami O Lase nt O Bond O Lase ugh side up. Pressed 30 secs, (same side,	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and
Base Material ID Print material Coating Techniques used	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pri PP glued to substrate ro Repressed @ 180°c for repressed @ 180°c for 3 190°c for 30 secs.	Material finished size Material stretched size O Origami O Lam nt O Bond O Lase ugh side up. Pressed 30 secs, (same side, 0 secs (pp facing dow	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and m), repressed again @
Base Material ID Print material Coating Techniques used	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pri PP glued to substrate ro Repressed @ 180°c for repressed @ 180°c for 3	Material finished size Material stretched size O Origami O Lam nt O Bond O Lase ugh side up. Pressed 30 secs, (same side, 0 secs (pp facing dow	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and m), repressed again @
Base Material ID Print material Coating Techniques used Production description	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pri PP glued to substrate ro Repressed @ 180°c for repressed @ 180°c for 3 190°c for 30 secs.	Material finished size Material stretched size O Origami O Lam nt O Bond O Lase ugh side up. Pressed 30 secs, (same side, 0 secs (pp facing dow	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and m), repressed again @
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pri PP glued to substrate ro Repressed @ 180°c for repressed @ 180°c for 3 190°c for 30 secs.	Material finished size Material stretched size O Origami O Lam nt O Bond O Lase ugh side up. Pressed 30 secs, (same side, 0 secs (pp facing dow	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and m), repressed again @
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Pri PP glued to substrate ro Repressed @ 180°c for repressed @ 180°c for 3 190°c for 30 secs. Left flat on bed between	Material finished size Material stretched size O Origami O Lam nt O Bond O Lase ugh side up. Pressed 30 secs, (same side, 0 secs (pp facing dow teflon sheets, rubbed	inate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and n), repressed again @ until cooled





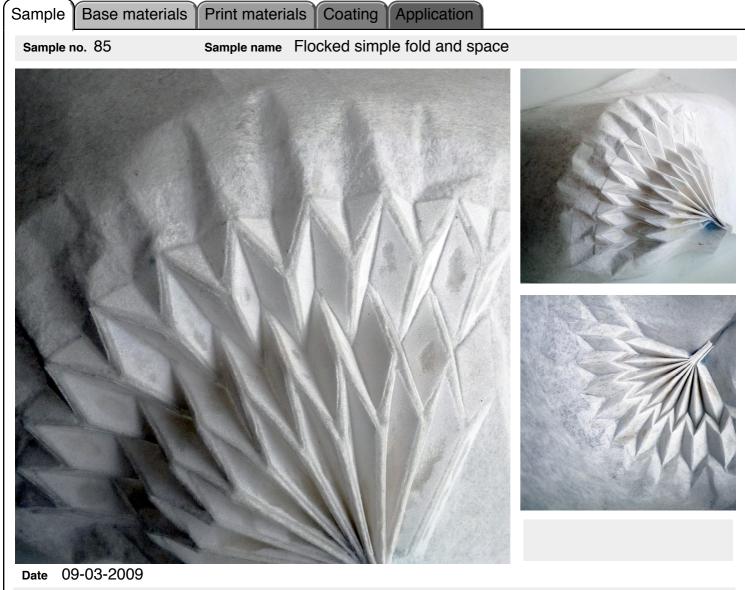
ample no. 80	Sample name Alternativ	e substrate test 17	
ate 27-10-2008 Base Material II	PP (800 microns)	Material start size Material finished size	5 x 7
			5 x 7
	PP (800 microns) Frosted, Black & White	Material finished size	5 x 7
Base Material II	PP (800 microns) Frosted, Black & White	Material finished size	5 x 7
Base Material II Print materia	PP (800 microns) Frosted, Black & White	Material finished size Material stretched size	
Base Material II Print materia Coatin	PP (800 microns) Frosted, Black & White - g - d O Stitch O Silk-screen O Mould O Transfer Print PP glued to substrate ro	Material finished size Material stretched size O Origami O Lam int O Bond O Las ough side up. Pressed 30 secs, (same side,	ninate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and
Base Material II Print materia Coatin Techniques use	PP (800 microns) Frosted, Black & White - g - d O Stitch O Silk-screen O Mould O Transfer Pr n PP glued to substrate ro Repressed @ 180°c for repressed @ 190°c for 3	Material finished size Material stretched size O Origami O Lam int O Bond O Las ough side up. Pressed 30 secs, (same side, 80 secs (pp facing dow	hinate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and (n).
Base Material II Print materia Coatin Techniques use Production descriptio	 PP (800 microns) Frosted, Black & White - - O Stitch O Silk-screen O Mould O Transfer Print PP glued to substrate ro Repressed @ 180°c for 3 Left flat on bed between All colours of PP bonded 	Material finished size Material stretched size O Origami O Lan int O Bond O Las ough side up. Pressed 30 secs, (same side, 30 secs (pp facing down teflon sheets, rubbed	hinate OHeat set er cut OOther @ 171°c for 30 secs. pp facing up). Flipped and (n).
Base Material II Print materia Coatin Techniques use Production descriptio Finishing proces Positive outcome	PP (800 microns) Frosted, Black & White - g - d O Stitch O Silk-screen O Mould O Transfer Pri PP glued to substrate ro Repressed @ 180°c for 3 s Left flat on bed between s All colours of PP bonded folds well	Material finished size Material stretched size O Origami O Lan O Bond O Las ough side up. Pressed 30 secs, (same side, 30 secs (pp facing down teflon sheets, rubbed d better than in previou	hinate O Heat set er cut O Other @ 171°c for 30 secs. pp facing up). Flipped and /n).



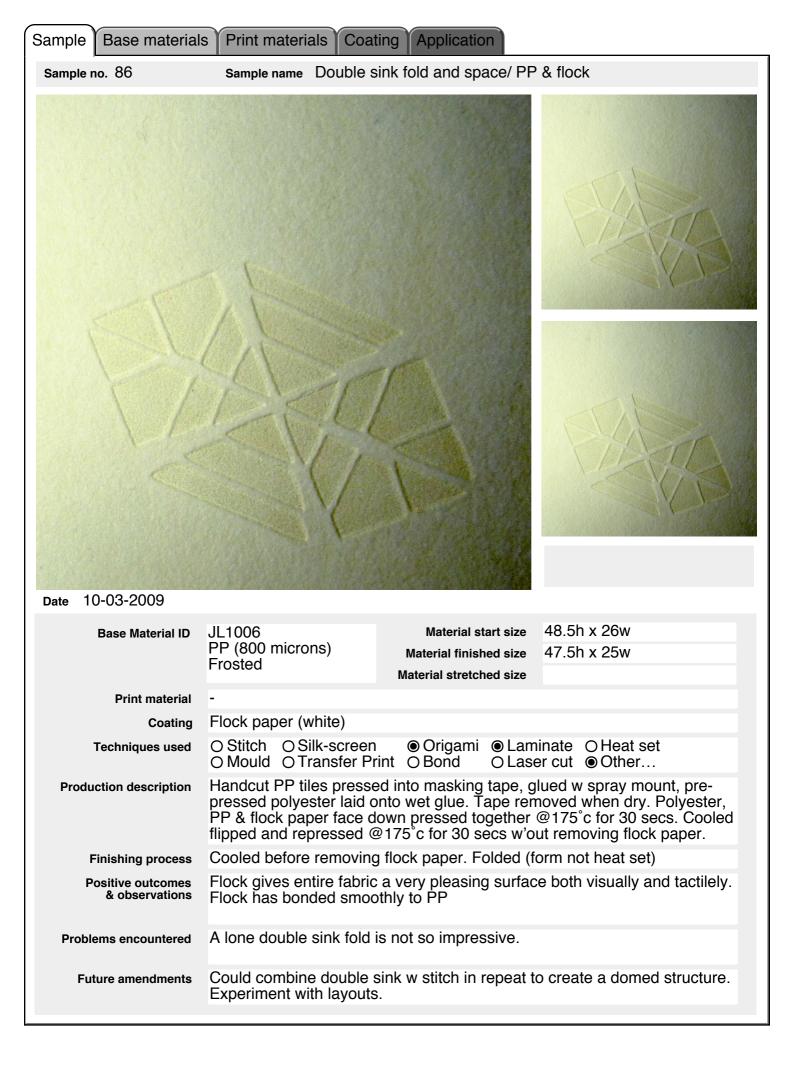
Sample Base material	s Print materials Coa	ting Application	
Sample no. 82	Sample name Double s	sink fold - square pack	
Date 3-11-2008			
Base Material ID	JL1006 PP (800 microns) Frosted	Material start size Material finished size Material stretched size	54h x 69w 22h x 32w x 7d -
Print material	-		
Coating	-		
Techniques used	O Stitch O Silk-screer O Mould O Transfer P		ninate Heat set er cut OOther
Production description	1st layer substrate smo wadding put on top. All	oth side down, 3-6 pp layers pressed @ 178	c for 30 secs. PP glued to widths apart. 2nd layer of c for 30 secs. Flipped and oth sides @180°c for 30secs
Finishing process	Left flat between teflon	sheets, weighted w bo	ard 'til cooled after pressing
Positive outcomes & observations	Generally a good bond Still some minor blisters		ng the mobility of the hinges. ester when cooled.
Problems encountered	Missed 1crucial cut line Very tricky to space him	e in PP tiles so couldn't ges correctly when PF	fold pattern as intended. P not cut w hinge gaps.
Future amendments	Amend laser cut files to Always weight large pie		ow for hinge spaces. mise warping on cooling.

Sample no. 83	Sample name Wadding	g/PP Flock Bond Test 1	
Date 09-03-2009			
Date 09-03-2009 Base Material ID	JL1006 PP (800 microns) Frosted	Material start size Material finished size Material stretched size	7.5 x 9
	PP (800 microns)	Material finished size	7.5 x 9
Base Material ID	PP (800 microns)	Material finished size	7.5 x 9
Base Material ID Print material	PP (800 microns) Frosted -	Material finished size Material stretched size	
Base Material ID Print material Coating	PP (800 microns) Frosted - Flock paper (white) O Stitch O Silk-screer O Mould O Transfer P Press 1 layer of waddi	Material finished size Material stretched size O Origami O Lam rint O Bond O Lase Ng @ 175°c for 30 secs All layers pressed toge	ninate OHeat set er cut Other S. PP placed on top. Flock ether @ 175°c for 30 secs.
Base Material ID Print material Coating Techniques used	PP (800 microns) Frosted - Flock paper (white) O Stitch O Silk-screen O Mould O Transfer P Press 1 layer of waddi paper placed over that.	Material finished size Material stretched size n O Origami O Lam rint O Bond O Lase ng @ 175°c for 30 secs All layers pressed toge pressed @ 175°c for 3	ninate O Heat set er cut O Other s. PP placed on top. Flock ether @ 175°c for 30 secs. 0 secs.
Base Material ID Print material Coating Techniques used Production description	PP (800 microns) Frosted - Flock paper (white) O Stitch O Silk-screer O Mould O Transfer P Press 1 layer of waddi paper placed over that. Cooled. Flipped and re	Material finished size Material stretched size Material stretched size Naterial stretched size Description Material stretched size Material stretched size Material stretched size Material stretched size Material finished size Material finished size Material finished size Material finished size Material finished size Material stretched size Material finished size Material stretched size M	hinate O Heat set er cut Other s. PP placed on top. Flock ether @ 175°c for 30 secs. 0 secs. until cooled
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	 PP (800 microns) Frosted Flock paper (white) O Stitch O Silk-screer O Mould O Transfer P Press 1 layer of waddii paper placed over that. Cooled. Flipped and re Left flat on bed betwee Flock bonds in a smoother 	Material finished size Material stretched size Material stretched size N O Origami O Lam rint O Bond O Lase ng @ 175°c for 30 secs All layers pressed toge pressed @ 175°c for 3 n teflon sheets, rubbed th layer on PP, although	hinate O Heat set er cut Other s. PP placed on top. Flock ether @ 175°c for 30 secs. 0 secs. until cooled



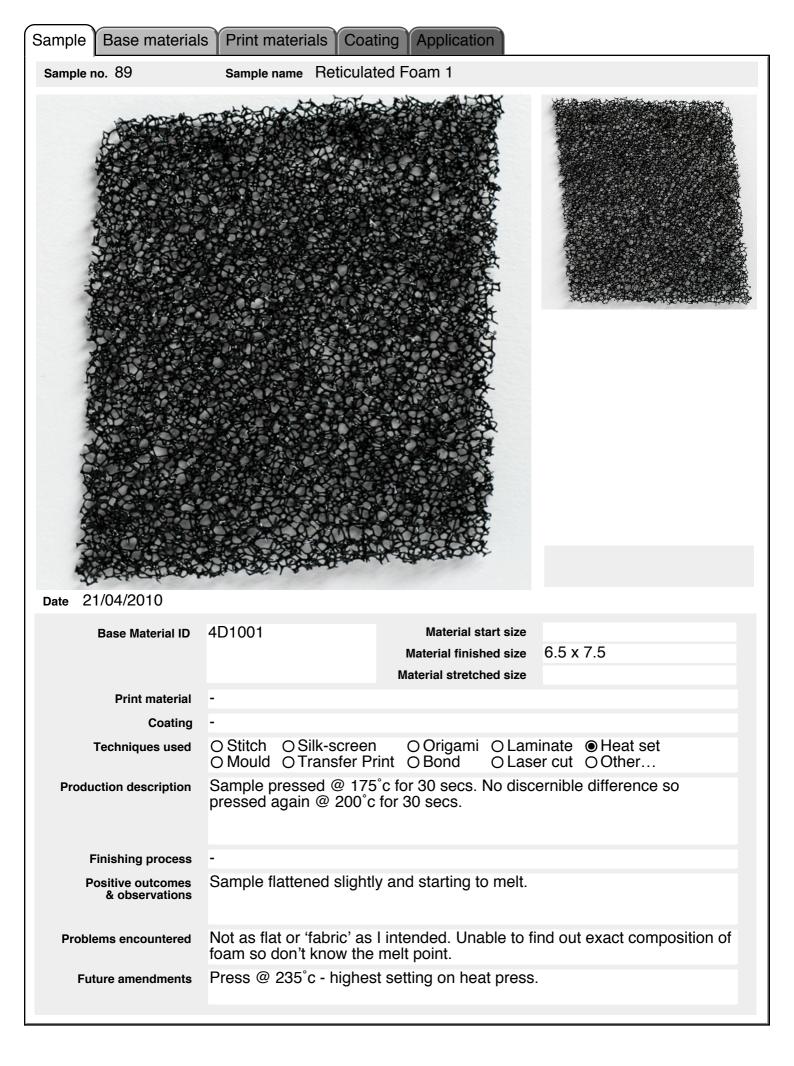


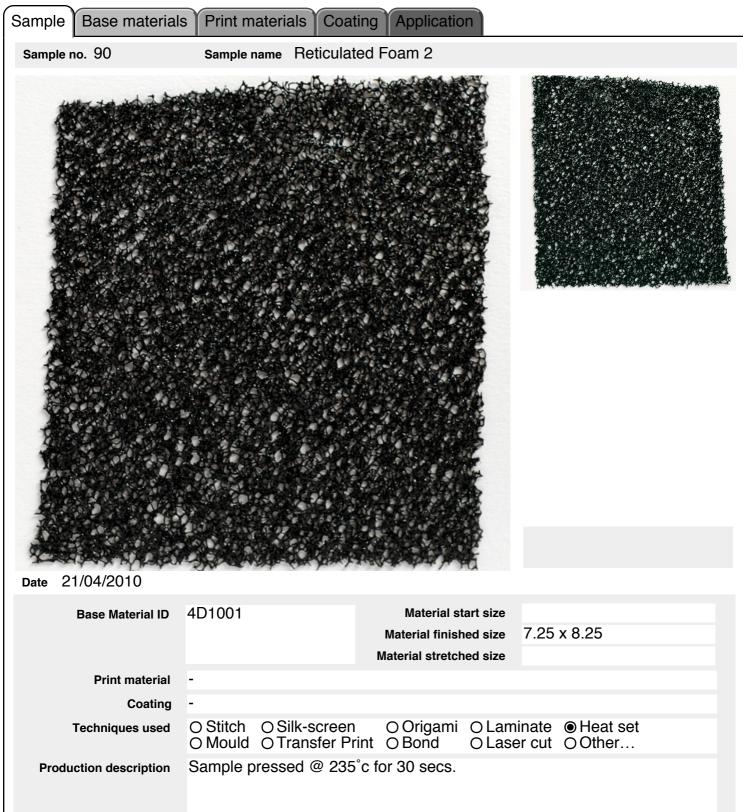
Base Material ID	JL1006 PP (800 microns) Frosted	Material start size Material finished size Material stretched size	45h x 36w 32.5h x 22w x 12.5d -
Print material	-		
Coating	Flock paper (white)		
Techniques used	O Stitch O Silk-screen O Mould O Transfer Pr		inate OHeat set er cut ●Other
Production description		ock paper face up, the @ 175°c for 30 secs. (. Handcut PP glued w Pritt n PP, then polyester. All Cooled. Flock paper 5°c for 30 secs.
Finishing process	Folded and clamped (fo	rm not heat set)	
Positive outcomes & observations	Creates a beautiful shap improves aesthetic of bo soft, fuzzy texture.		olyester sheet. Flock lyester wadding, making a
Problems encountered	Flock has not covered th sample 83). Flock has b		ked better w layer order in aving a defined square.
Future amendments	Press with paper on top enough to cover the who		g. Use flock paper large



Sample no. 87	Sample name Waddin	g/PP Foil Bond Test 1	
	A AND DATES		
		Barris Rom	
Date 21-04-2009			
Date 21-04-2009 Base Material ID	MW1001 PP (800 microns) Frosted	Material start size Material finished size Material stretched size	7 x 8
	PP (800 microns)	Material finished size	7 x 8
Base Material ID	PP (800 microns)	Material finished size	7 x 8
Base Material ID Print material	PP (800 microns) Frosted - Foil - gunmetal	Material finished size Material stretched size	
Base Material ID Print material Coating	PP (800 microns) Frosted - Foil - gunmetal O Stitch O Silk-scree O Mould O Transfer F Press 1 layer of wadd paper placed over that	Material finished size Material stretched size n O Origami O Lam Print O Bond O Lase ing @ 174°c for 30 secs All layers pressed toge AKE - foil wrong way up	ninate O Heat set er cut O Other s. PP placed on top. Foil ether @ 175°c for 30 secs.
Base Material ID Print material Coating Techniques used	PP (800 microns) Frosted - Foil - gunmetal O Stitch O Silk-scree O Mould O Transfer F Press 1 layer of wadd paper placed over that Cooled. STUPID MIST repressed @ 175°c fo	Material finished size Material stretched size n O Origami O Lam Print O Bond O Lase ing @ 174°c for 30 secs All layers pressed toge AKE - foil wrong way up	ninate O Heat set er cut O Other s. PP placed on top. Foil ether @ 175°c for 30 secs. o. (Later corrected and
Base Material ID Print material Coating Techniques used Production description	PP (800 microns) Frosted - Foil - gunmetal O Stitch O Silk-scree O Mould O Transfer F Press 1 layer of wadd paper placed over that Cooled. STUPID MIST repressed @ 175°c fo Left flat on bed betwee	Material finished size Material stretched size Material stretched size Orint O Bond O Lase ing @ 174°c for 30 secs All layers pressed toge AKE - foil wrong way up r 30 secs.)	ninate O Heat set er cut O Other s. PP placed on top. Foil ether @ 175°c for 30 secs. o. (Later corrected and
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	PP (800 microns) Frosted - Foil - gunmetal O Stitch O Silk-scree O Mould O Transfer F Press 1 layer of wadd paper placed over that Cooled. STUPID MIST repressed @ 175°c fo Left flat on bed betwee On second attempt w f	Material finished size Material stretched size Material stretched size Orint O Bond O Lase ing @ 174°c for 30 secs All layers pressed toge AKE - foil wrong way up r 30 secs.)	hinate O Heat set er cut O Other s. PP placed on top. Foil ether @ 175°c for 30 secs. b. (Later corrected and until cooled ds in a smooth layer on PP.

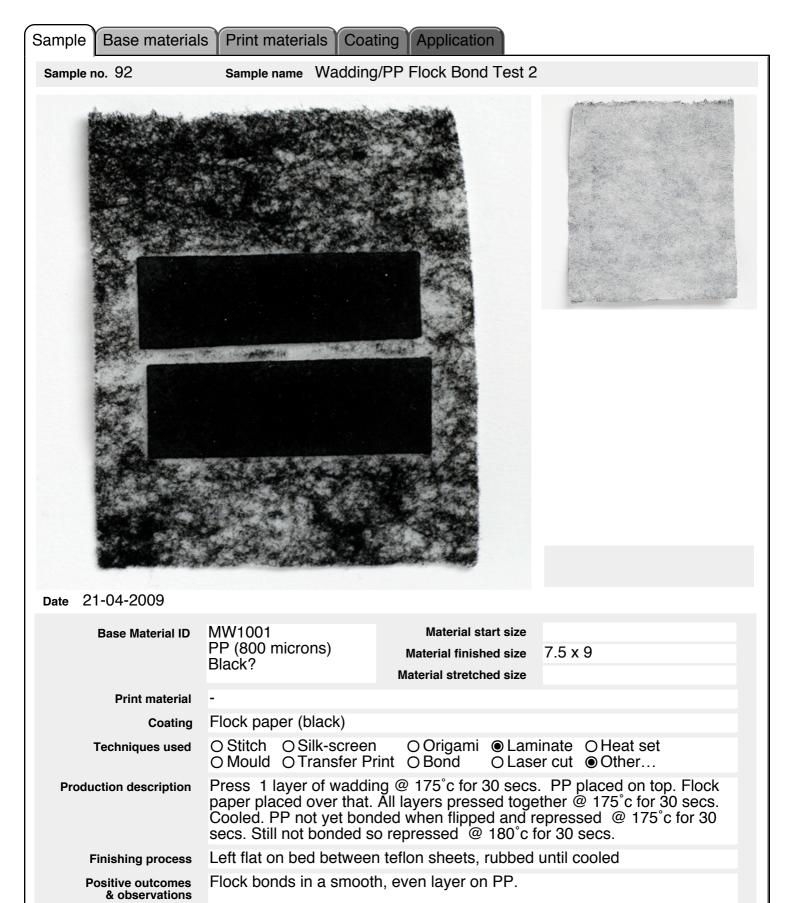
Sample no. 88			
	Sample name Padouk	veneer 1	
Date 21-04-2009			
Date 21-04-2009 Base Material ID	MW1001 PP (800 microns) Frosted	Material start size Material finished size Material stretched size	6 x 8.3
	PP (800 microns)	Material finished size	6 x 8.3
Base Material ID	PP (800 microns)	Material finished size	6 x 8.3
Base Material ID Print material	PP (800 microns) Frosted - Padouk veneer O Stitch O Silk-screet O Mould O Transfer F	Material finished size Material stretched size n O Origami O Lam Print O Bond O Lase	ninate OHeat set er cut
Base Material ID Print material Coating	PP (800 microns) Frosted - Padouk veneer O Stitch O Silk-screet O Mould O Transfer F Press 1 layer of waddi	Material finished size Material stretched size n O Origami O Lam Print O Bond O Lase ing @ 175°c for 30 secs	ninate OHeat set
Base Material ID Print material Coating Techniques used	PP (800 microns) Frosted - Padouk veneer O Stitch O Silk-screet O Mould O Transfer F Press 1 layer of waddi PP, then polyester. All didn't melt so represse	Material finished size Material stretched size n O Origami O Lam Print O Bond O Lase ing @ 175°c for 30 secs	ninate OHeat set er cut OHeat set s. Veneer placed 1st, then r @ 175°c for 30 secs. PP
Base Material ID Print material Coating Techniques used Production description	PP (800 microns) Frosted - Padouk veneer O Stitch O Silk-screet O Mould O Transfer F Press 1 layer of waddi PP, then polyester. All didn't melt so represse	Material finished size Material stretched size n O Origami O Lam Print O Bond O Lase ing @ 175°c for 30 secs layers pressed together ed @ 200°c for 1 min.	hinate O Heat set er cut O Other c. Veneer placed 1st, then r @ 175°c for 30 secs. PP until cooled
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	PP (800 microns) Frosted - Padouk veneer O Stitch O Silk-screet O Mould O Transfer F Press 1 layer of waddi PP, then polyester. All didn't melt so represse Left flat on bed betweet Wood bonds to PP ver	Material finished size Material stretched size Material stretched size Of Content of Content Material stretched size Of Content Material finished size Material stretched size Material finished size Material finished size Material finished size Material finished size Material finished size Material finished size Material stretched size Material finished size Material stretched size Material finished size Material stretched size Materia	hinate O Heat set er cut O Other c. Veneer placed 1st, then r @ 175°c for 30 secs. PP until cooled





Finishing process	-
Positive outcomes & observations	Makes a pleasing, slightly elastic substrate.
Problems encountered	
Future amendments	Find out exact composition of foam.

	Sample name Padouk v	veneer 2	
Date 21-04-2009 Base Material ID	MW1001 PP (800 microns)	Material start size	9. F. y. O.
	MW1001 PP (800 microns) Frosted	Material start size Material finished size Material stretched size	8.5 x 9
	PP (800 microns)	Material finished size	8.5 x 9
Base Material ID	PP (800 microns)	Material finished size	8.5 x 9
Base Material ID Print material	PP (800 microns) Frosted -	Material finished size Material stretched size O Origami	
Base Material ID Print material Coating	PP (800 microns) Frosted - Padouk veneer O Stitch O Silk-screen O Mould O Transfer Pr	Material finished size Material stretched size O Origami O Lam int O Bond O Lase og @ 175°c for 30 secs eneer placed 1st, then	ninate OHeat set er cut ●Other 5. Veneer spray mounted to
Base Material ID Print material Coating Techniques used	PP (800 microns) Frosted - Padouk veneer O Stitch O Silk-screen O Mould O Transfer Pri Press 1 layer of waddin PP then cut to shape. Ve	Material finished size Material stretched size O Origami O Lam int O Bond O Lase og @ 175°c for 30 secs eneer placed 1st, then @ 200°c for 30 secs.	inate OHeat set er cut OHeat set . Veneer spray mounted to PP, then polyester. All
Base Material ID Print material Coating Techniques used Production description	PP (800 microns) Frosted - Padouk veneer O Stitch O Silk-screen O Mould O Transfer Pr Press 1 layer of waddin PP then cut to shape. Va layers pressed together Left flat on bed between	Material finished size Material stretched size O Origami O Lam int O Bond O Lase og @ 175°c for 30 secs eneer placed 1st, then @ 200°c for 30 secs.	inate OHeat set er cut OHeat set . Veneer spray mounted to PP, then polyester. All
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	PP (800 microns) Frosted - Padouk veneer O Stitch O Silk-screen O Mould O Transfer Pri Press 1 layer of waddin PP then cut to shape. Va layers pressed together Left flat on bed between Good bond (*see below) PP.	Material finished size Material stretched size O Origami O Lam int O Bond O Lase og @ 175°c for 30 secs eneer placed 1st, then @ 200°c for 30 secs. In teflon sheets, rubbed D. Better accuracy in line around edges of wood	ainate O Heat set er cut O Heat set er cut O Other S. Veneer spray mounted to PP, then polyester. All until cooled ne up between padouk and d due to high temperature.



Problems encounteredPP didn't bond properly with wadding. Poss due to diff pressure on heat
press, black paper. Poss used black PP not clear.Future amendmentsTry higher heat or longer pressing.



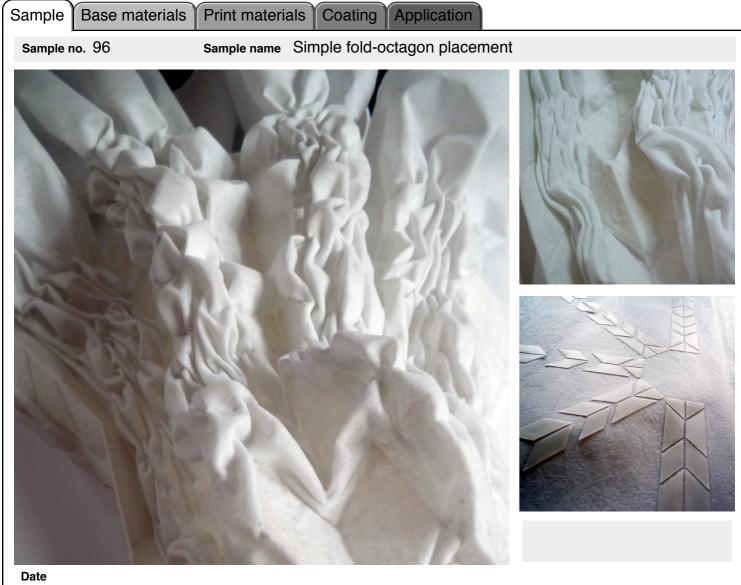
Date 21-04-2009

Base Material ID	MW1001 PP (800 microns)	Material start size Material finished size Material stretched size	7.5 x 8.5
Print material	-		
Coating	Foil - black		
Techniques used	O Stitch O Silk-screen O Mould O Transfer Pr		
Production description	foil placed over that. All	pressed together @ 18 wrong way up. Correct	ed wadding, then PP, then 30°c for 30 secs. Cooled. ted and repressed @ 180°c e?! check)
Finishing process	Left flat on bed betweer	n teflon sheets, rubbed	until cooled
Positive outcomes & observations	With foil right way up fo also adhere to substrate		ver on PP. Some specks
Problems encountered	Foil on PP is taking on a roller to lay down adhes		aps due to use of sponge
Future amendments	Could use lower temper	rature, 175°c.	

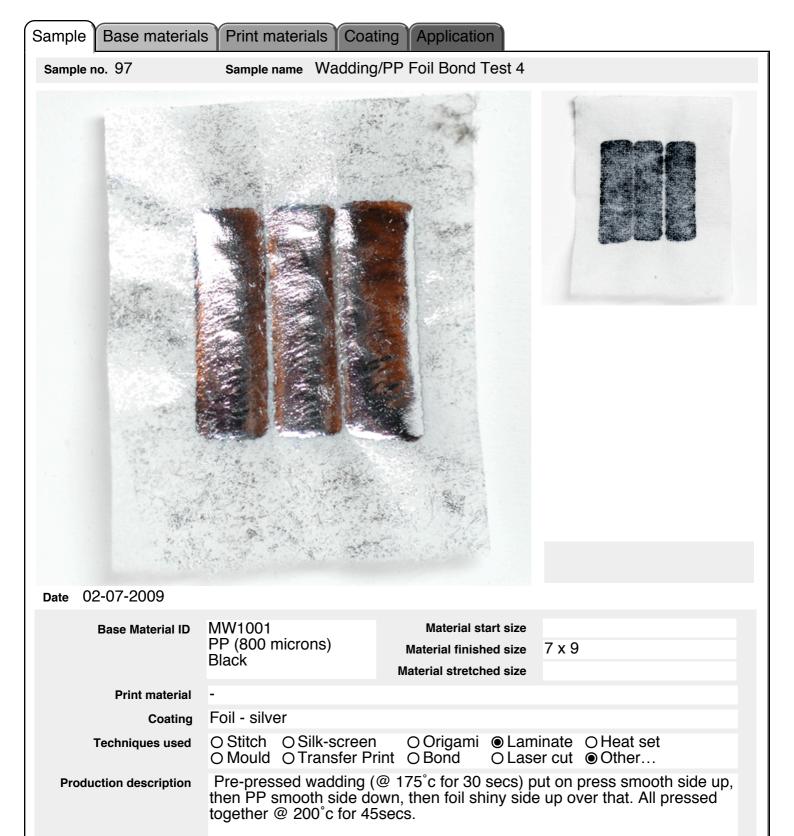
	Sample name VVACCIN	g/PP Foil Bond Test 3	
ate 21-04-2009	A A A A A A A A A A A A A A A A A A A		
ate 21-04-2009 Base Material ID	MW1001 PP (800 microns)	Material start size Material finished size Material stretched size	5.5 x 8.5
		Material finished size	5.5 x 8.5
Base Material ID Print material	PP (800 microns)	Material finished size	5.5 x 8.5
Base Material ID	PP (800 microns) - Foil - matt silver	Material finished size Material stretched size	
Base Material ID Print material Coating	PP (800 microns) - Foil - matt silver O Stitch O Silk-screen O Mould O Transfer P Pre-pressed wadding	Material finished size Material stretched size n O Origami O Lase Print O Bond O Lase put on press, then PP s	ninate OHeat set
Base Material ID Print material Coating Techniques used	PP (800 microns) - Foil - matt silver O Stitch O Silk-screen O Mould O Transfer P Pre-pressed wadding RIGHT SIDE UP over t	Material finished size Material stretched size n O Origami O Lase Print O Bond O Lase put on press, then PP s	ninate OHeat set er cut Other smooth side up, then foil er @ 175°c for 30 secs.
Base Material ID Print material Coating Techniques used Production description	PP (800 microns) - Foil - matt silver O Stitch O Silk-screet O Mould O Transfer P Pre-pressed wadding RIGHT SIDE UP over the Left flat on bed betweet	Material finished size Material stretched size Material stretched size Origami OLase Print OBond OLase put on press, then PP s that. All pressed togethe	ninate OHeat set er cut Other smooth side up, then foil er @ 175°c for 30 secs.
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	PP (800 microns) - Foil - matt silver O Stitch O Silk-screet O Mould O Transfer P Pre-pressed wadding RIGHT SIDE UP over the Left flat on bed betweet With foil right way up for using adhesive.	Material finished size Material stretched size Material stretched size Origami OLase Print OBond OLase put on press, then PP s that. All pressed togethe	hinate O Heat set er cut O Other mooth side up, then foil er @ 175°c for 30 secs. until cooled a smooth layer than when

Sample Base m	aterials Print mater	ials Coating	Application	
Sample no. 95	Sample name	Wool felt/ PF	bond test 1	
Date				
Base Mate	erial ID CH1003 PP (800 micro Black		Material start size Material finished size laterial stretched size	34w x 34h 27w x 27h x 4.5d 43w x 43h
Print m	aterial			
c	Coating			
Technique	sused OStitch OS	Silk-screen Fransfer Print	O Origami ● Lam O Bond O Las	ninate OHeat set er cut ●Other
Production desc	ription Wool stretche place, covere bond and stu- for 30 secs.	ed onto board o ed w teflon she ck to teflon so	over teflon sheet. F et and pressed @ lost some tiles. Re	PP spray mounted into 175°c for 30 secs. Didn't pressed remainder @ 185°c
Finishing p	rocess Washed @ °	c for		
Positive out & observ				ce washed sample self folds samples 29, 31-35).
Problems encou	ntered			

Future amendments Test for exact temperature to bond black PP to wool.



Base Material ID	MW1001 PP (800 microns) Frosted	Material start size Material finished size Material stretched size	132h x 138w 24h x 69w x 18d -
Print material			
Coating	Flock paper (white)		
Techniques used	Stitch OSilk-screen OMould OTransfer Pi		ninate
Production description	Flock paper laid on top.	Pressed @186°c x 30 re-pressed @ 186°c x 3	base (pre-pressed@ 175°c) secs in 3 stages due to 30 secs. Pressed again @ roperly bonded.)
Finishing process	Stitched and steamed (due to breakdown of ba	aking cabinet)
Positive outcomes & observations	Good coating of flock of rubbed)	n polyester base (altho	ugh sheds over time when
Problems encountered			densely tiled end. Some ed but this flattens flock).
Future amendments	Steaming deformed sha work.	ape, find functioning ba	king cabinet to set future

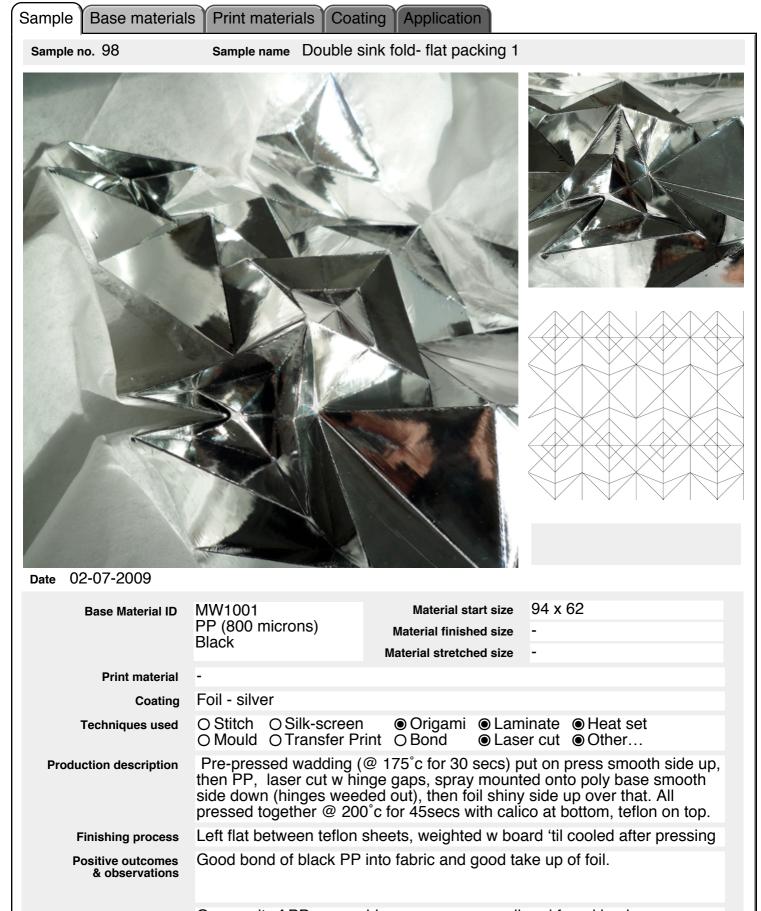


Foil specks still adhere to substrate but less distracting in this colour.

Finishing processLeft flat on bed between teflon sheets, rubbed until cooledPositive outcomes
& observationsGood bond of black PP into fabric and good take up of foil.

Future amendments

Problems encountered



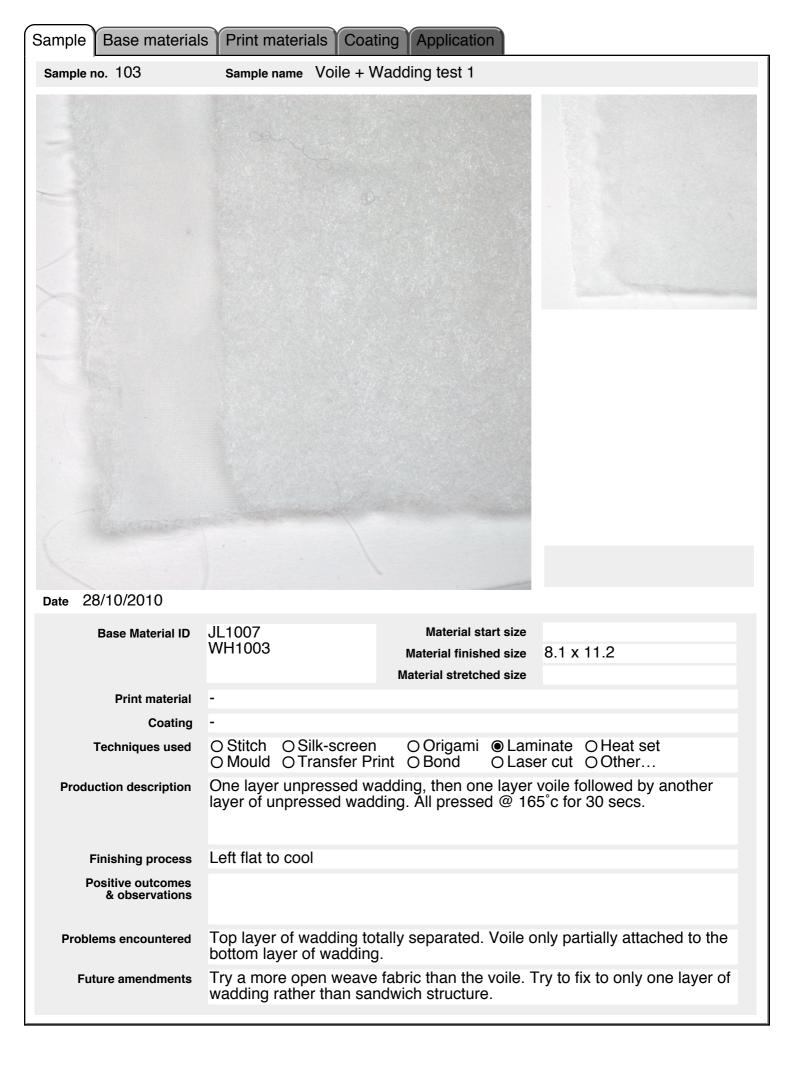
Problems encounteredOver melt of PP means hinge gaps very small and fused in places.
Wouldn't fold properly and tore in places so had to abandon piece.Future amendmentsUse frosted PP and lower temperatures as well as possibly larger hinge
gaps and heavier substrate.

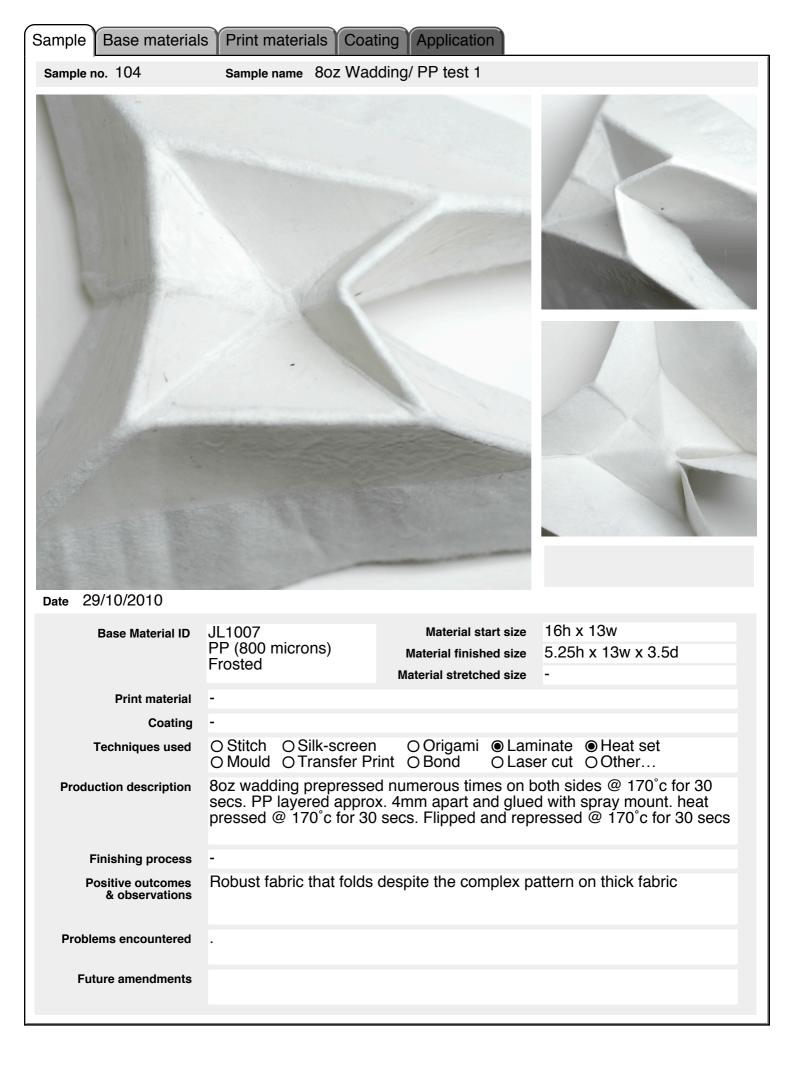
ample no. 99	Sample name Wadding	g/ Co-polymer bond tes	t 1
			Part Internet
	and a survey of the second	and the second	
			1
		1	
ate 25/10/2010		1	
ate 25/10/2010 Base Material ID	JL1007	Material start size	
	0.5mm polyester co-	Material start size Material finished size	6 x 9.5
Base Material ID	0.5mm polyester co- polymer, Vivak		6 x 9.5
Base Material ID Print material	0.5mm polyester co- polymer, Vivak	Material finished size	6 x 9.5
Base Material ID	0.5mm polyester co- polymer, Vivak - - O Stitch O Silk-screer	Material finished size Material stretched size	
Base Material ID Print material Coating	0.5mm polyester co- polymer, Vivak - - O Stitch O Silk-screen O Mould O Transfer Pr	Material finished size Material stretched size O Origami O Lam rint O Bond O Lase 2 175°c for 30 secs. Co	ninate OHeat set
Base Material ID Print material Coating Techniques used	0.5mm polyester co- polymer, Vivak - - O Stitch O Silk-screen O Mould O Transfer Pi Wadding prepressed @	Material finished size Material stretched size O Origami O Lam rint O Bond O Lase 2 175°c for 30 secs. Co	ninate OHeat set er cut OOther
Base Material ID Print material Coating Techniques used Production description	0.5mm polyester co- polymer, Vivak - - O Stitch O Silk-screen O Mould O Transfer Pi Wadding prepressed @	Material finished size Material stretched size O Origami O Lam rint O Bond O Lase 2 175°c for 30 secs. Co	ninate OHeat set er cut OOther
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	0.5mm polyester co- polymer, Vivak - - O Stitch O Silk-screen O Mould O Transfer Pr Wadding prepressed @ pressed @ 177°c for 30 Left flat to cool Creates rigid and very I	Material finished size Material stretched size O Origami O Lam rint O Bond O Lase O 175°c for 30 secs. Co O secs	inate OHeat set er cut OOther -polymer placed on top and it would be brittle but it folds
Base Material ID Print material Coating Techniques used Production description Finishing process	0.5mm polyester co- polymer, Vivak - - O Stitch O Silk-screen O Mould O Transfer Pl Wadding prepressed @ pressed @ 177°c for 30 Left flat to cool Creates rigid and very I (at least a few times) w	Material finished size Material stretched size Material stretched size O Origami O Lam int O Bond O Lase 175°c for 30 secs. Co secs	ninate OHeat set er cut OOther -polymer placed on top and
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	0.5mm polyester co- polymer, Vivak - - O Stitch O Silk-screen O Mould O Transfer Pr Wadding prepressed @ pressed @ 177°c for 30 Left flat to cool Creates rigid and very I	Material finished size Material stretched size Material stretched size O Origami O Lam Int O Bond O Lase 175°c for 30 secs. Co Secs	inate O Heat set er cut O Other -polymer placed on top and it would be brittle but it folds lds its shape firmly. Creates

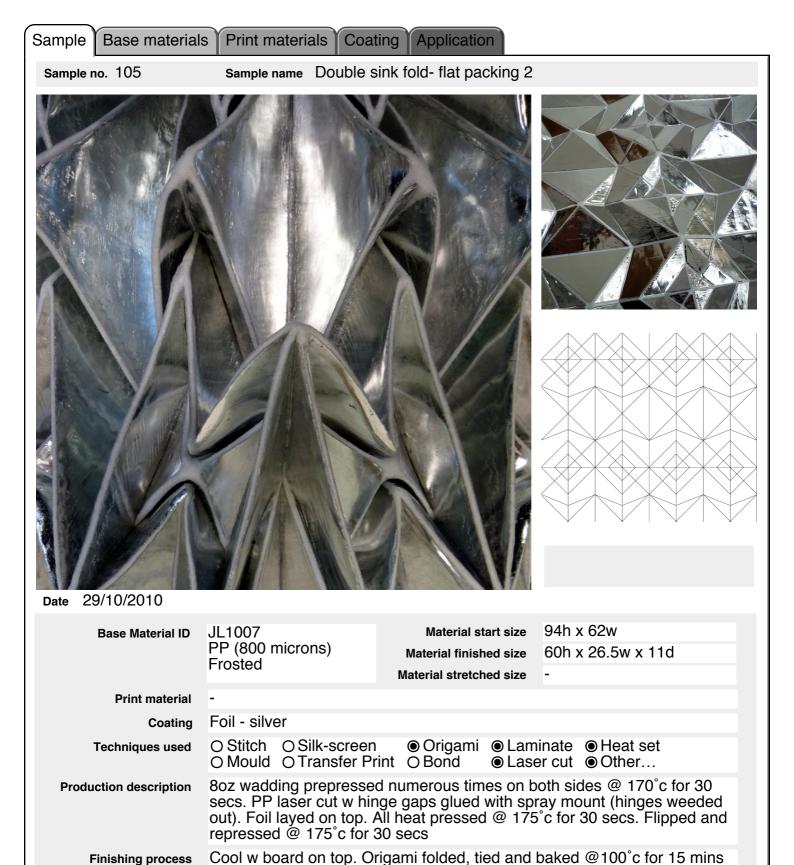
ample no. 100	Sample name Wadding	g/ Co-polymer bond tes	t 2
			2
ata 25/10/2010			
ate 25/10/2010 Base Material ID	JL1007	Material start size	
	JL1007 0.5mm polyester co- polymer, Vivak	Material start size Material finished size Material stretched size	5.5 x 9.4
	0.5mm polyester co-	Material finished size	5.5 x 9.4
Base Material ID	0.5mm polyester co- polymer, Vivak	Material finished size	5.5 x 9.4
Base Material ID Print material	0.5mm polyester co- polymer, Vivak -	Material finished size Material stretched size	
Base Material ID Print material Coating	0.5mm polyester co- polymer, Vivak - - O Stitch O Silk-screen O Mould O Transfer Pr	Material finished size Material stretched size O Origami O Lam rint O Bond O Lase 2 175°c for 30 secs. Co	inate OHeat set
Base Material ID Print material Coating Techniques used Production description	0.5mm polyester co- polymer, Vivak - - O Stitch O Silk-screen O Mould O Transfer Pl Wadding prepressed @ pressed @ 166°c for 30	Material finished size Material stretched size O Origami O Lam rint O Bond O Lase 2 175°c for 30 secs. Co	iinate OHeat set er cut OOther
Base Material ID Print material Coating Techniques used	0.5mm polyester co- polymer, Vivak - - O Stitch O Silk-screen O Mould O Transfer Pr Wadding prepressed @ pressed @ 166°c for 30 Left flat to cool	Material finished size Material stretched size Material stretched size O Origami O Lam int O Bond O Lase 175°c for 30 secs. Co secs	iinate OHeat set er cut OOther
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	0.5mm polyester co- polymer, Vivak - - O Stitch O Silk-screen O Mould O Transfer Pr Wadding prepressed @ pressed @ 166°c for 30 Left flat to cool Bonds fine @ lower ten	Material finished size Material stretched size Material stretched size O Origami O Lam int O Bond O Lase 175°c for 30 secs. Co secs	inate OHeat set er cut OOther -polymer placed on top and

Sample no. 101	Sample name Wadding/	Co-polymer bond tes	it 3
05/10/0010	and the second	2	
	JI 1007	Material start size	
Date 25/10/2010 Base Material ID	JL1007 0.5mm polyester co- polymer, Vivak	Material start size Material finished size Material stretched size	6.6 x 9.1
	0.5mm polyester co-	Material finished size	6.6 x 9.1
Base Material ID	0.5mm polyester co- polymer, Vivak	Material finished size	6.6 x 9.1
Base Material ID Print material	0.5mm polyester co- polymer, Vivak - - O Stitch O Silk-screen O Mould O Transfer Prin	Material finished size Material stretched size O Origami O Lam t O Bond O Lase	hinate OHeat set er cut OOther
Base Material ID Print material Coating	0.5mm polyester co- polymer, Vivak - - O Stitch O Silk-screen O Mould O Transfer Prin	Material finished size Material stretched size O Origami O Lase to Bond O Lase	hinate OHeat set er cut OOther les of co-polymer placed on
Base Material ID Print material Coating Techniques used Production description	0.5mm polyester co- polymer, Vivak - - O Stitch O Silk-screen O Mould O Transfer Prin Wadding prepressed @ - top approx. 2mm apart. A	Material finished size Material stretched size O Origami O Lase to Bond O Lase	hinate OHeat set er cut OOther les of co-polymer placed on
Base Material ID Print material Coating Techniques used	0.5mm polyester co- polymer, Vivak - - O Stitch O Silk-screen O Mould O Transfer Prin Wadding prepressed @ -	Material finished size Material stretched size O Origami O Lam t O Bond O Las 175°c for 30 secs. 2 ti I pressed @ 165°c for	hinate O Heat set er cut O Other les of co-polymer placed on or 30 secs
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	0.5mm polyester co- polymer, Vivak - - O Stitch O Silk-screen O Mould O Transfer Prin Wadding prepressed @ - top approx. 2mm apart. A Left flat to cool Co-polymer doesn't seen	Material finished size Material stretched size O Origami O Lam t O Bond O Las 175°c for 30 secs. 2 ti I pressed @ 165°c for	hinate O Heat set er cut O Other les of co-polymer placed on or 30 secs

Sample Base material			
Sample no. 102	Sample name Wadding	g/ Co-polymer/ Foil test	1
Date 25/10/2010			
Base Material ID	JL1006 0.5mm polyester co- polymer, Vivak	Material start size Material finished size Material stretched size	5.5 x 9.4
Print material	-		
Coating	Foil - silver		
Techniques used	O Stitch O Silk-screen O Mould O Transfer Pr	n OOrigami ⊚Lam rint OBond OLase	inate OHeat set er cut ●Other
Production description	Wadding prepressed @ then covered with foil la	2 175°c for 30 secs. Co ayer. All pressed @ 165	polymer placed on top and o c for 30 secs
Finishing process	-		
Positive outcomes & observations	Foil took unevenly givin	g a pitted, distressed e	ffect that is quite attractive.
Problems encountered			





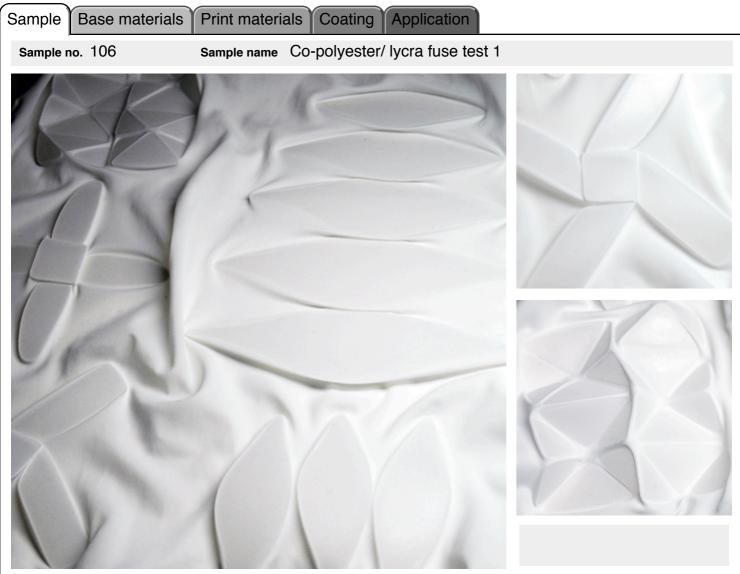


Problems encounteredSome tiles seperated from substrate on 1st fold attempt so repressed @
175°c then 185°c for 30secs foil face down. Flipped & pressed @ 185°cFuture amendmentsExperiment w temperatures and poss try hot melt adhesive film to improve
bond at tile edges.

Positive outcomes & observations

First stint on press created highly reflective silver surface. The repressing

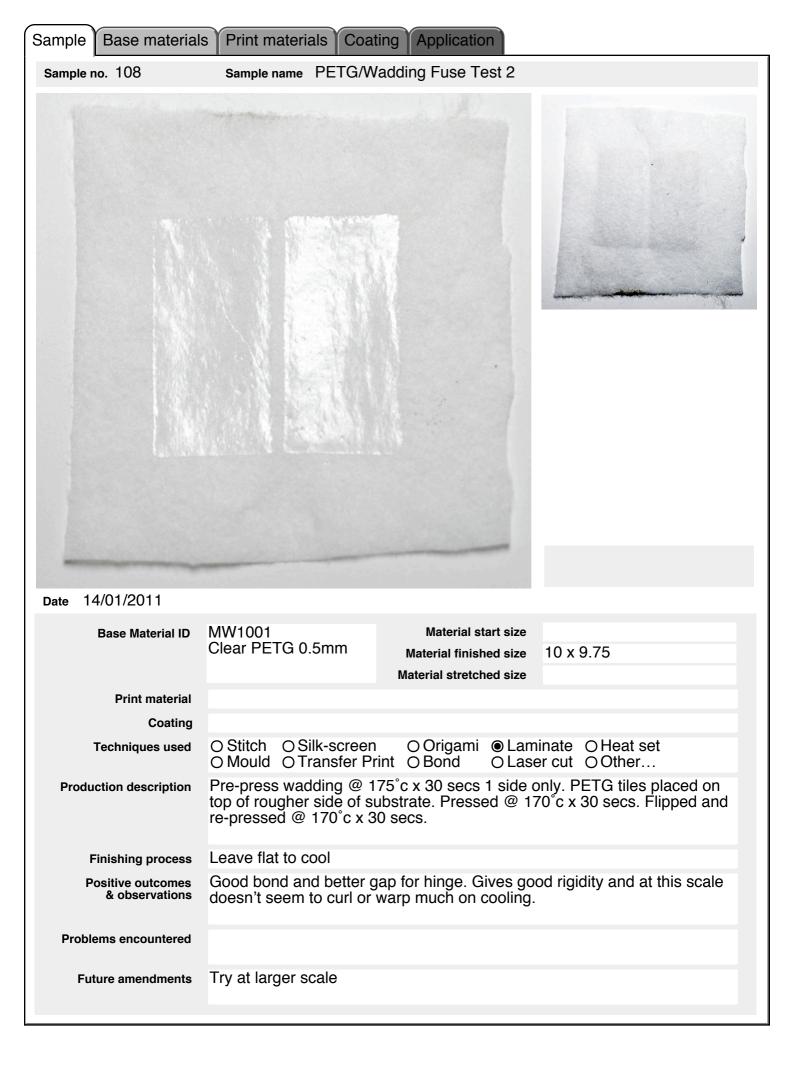
(see below) changed the foil surface to a matt silver finish and reduced

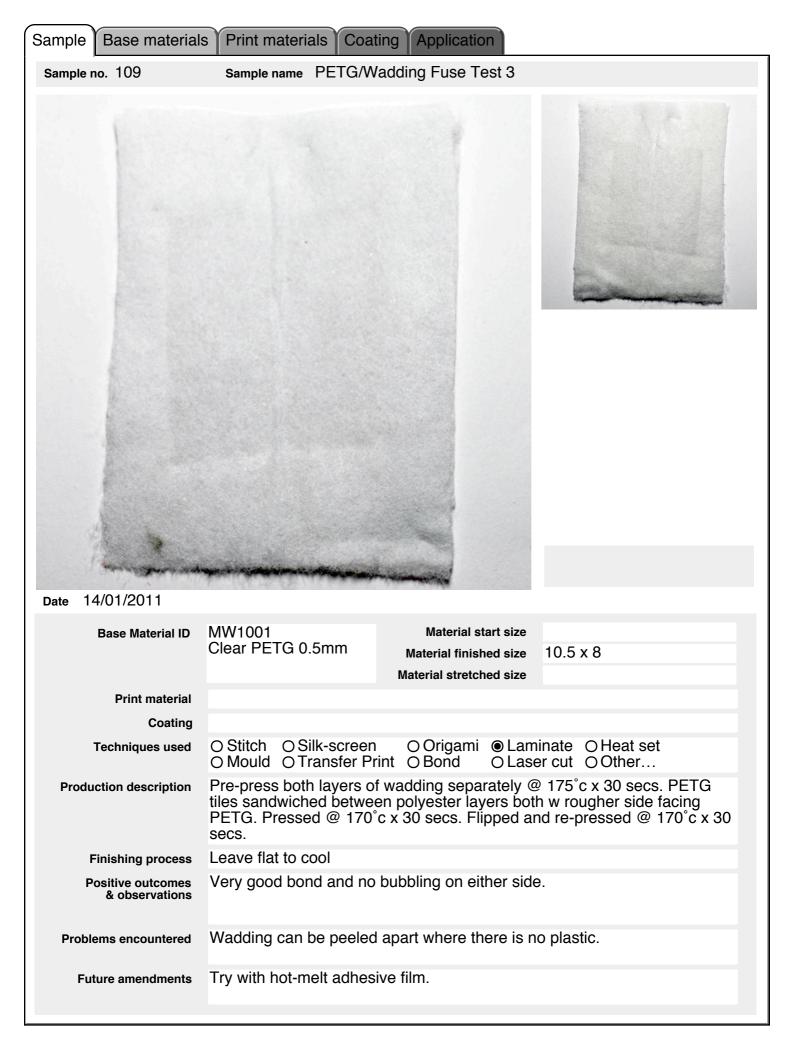


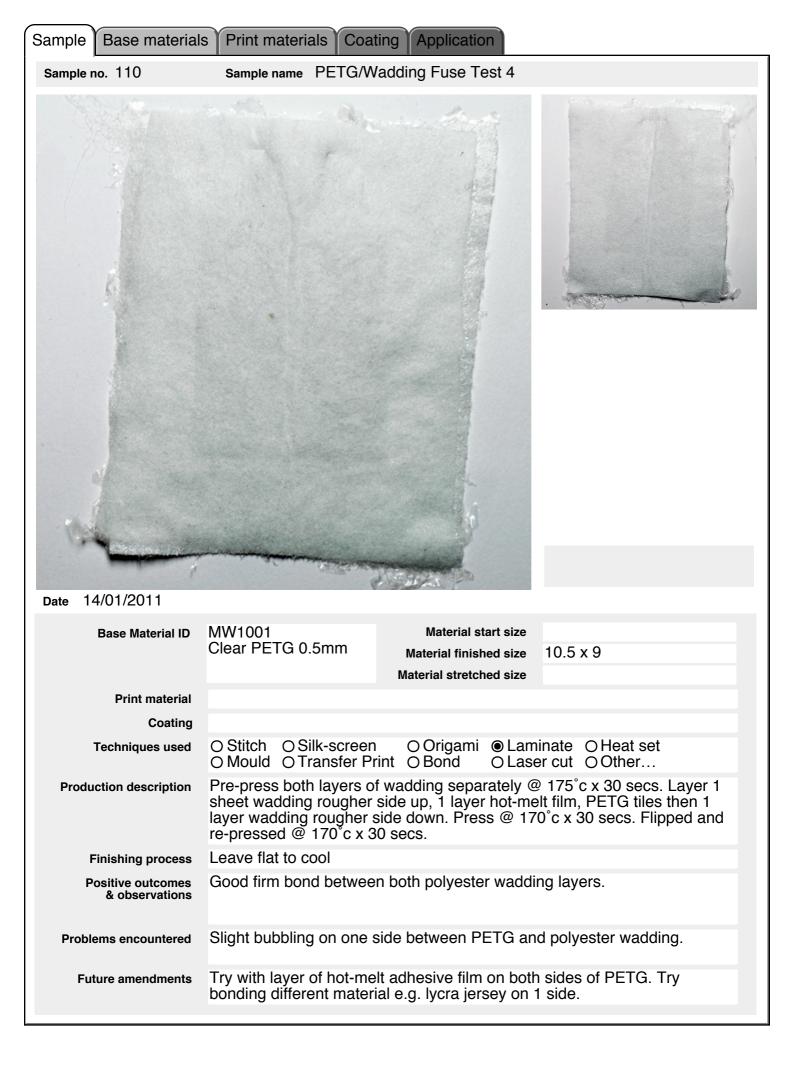
Date

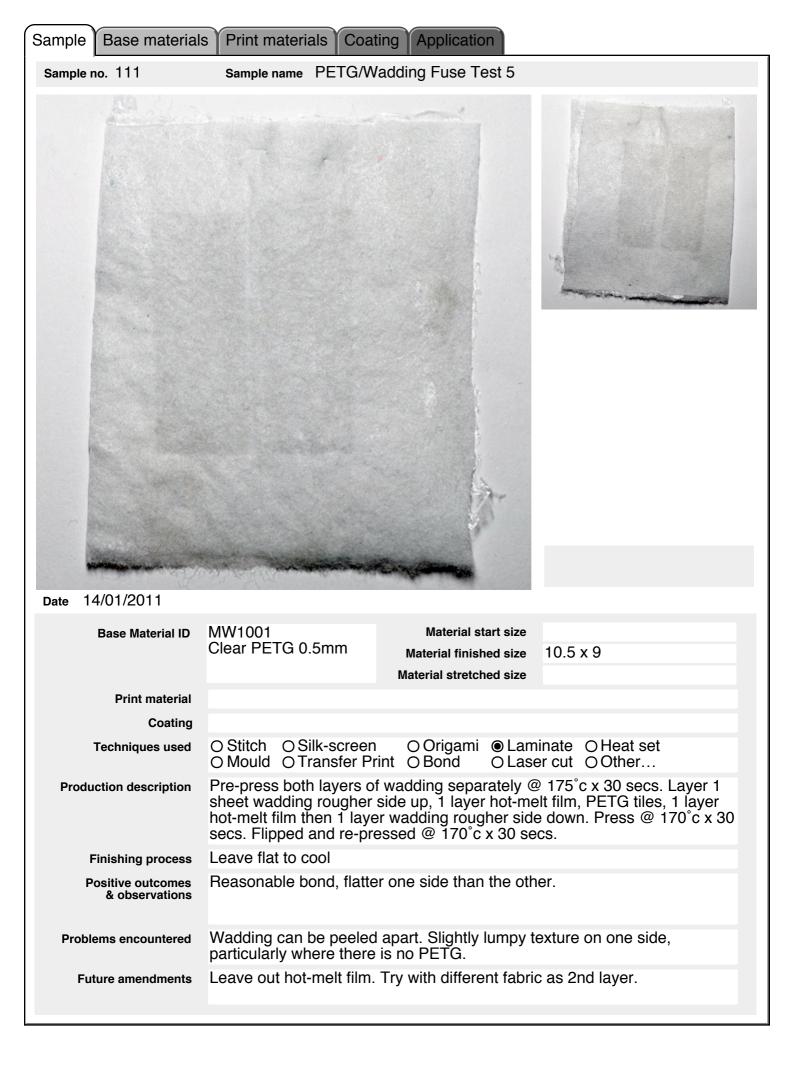
Base Material ID	AO1001	Material start size Material finished size Material stretched size	47h x 50w 40h x 41w x 3.5d 52h x 56w
Print material	-		
Coating	-		
Techniques used	O Stitch O Silk-screen O Mould O Transfer Pr	- 5 -	
Production description			. Pressed @ 170°c for 30 ssed 3rd time @ 195°c for
Finishing process	Cooled before releasing	tension of stretched fa	abric.
Positive outcomes & observations	Plastic (eventually) bon fabric. Thinner plastic c		
Problems encountered	Elasticity of fabric not el stretched before lamina		3-D shapes. Perhaps left st 3 weeks) due to
Future amendments			







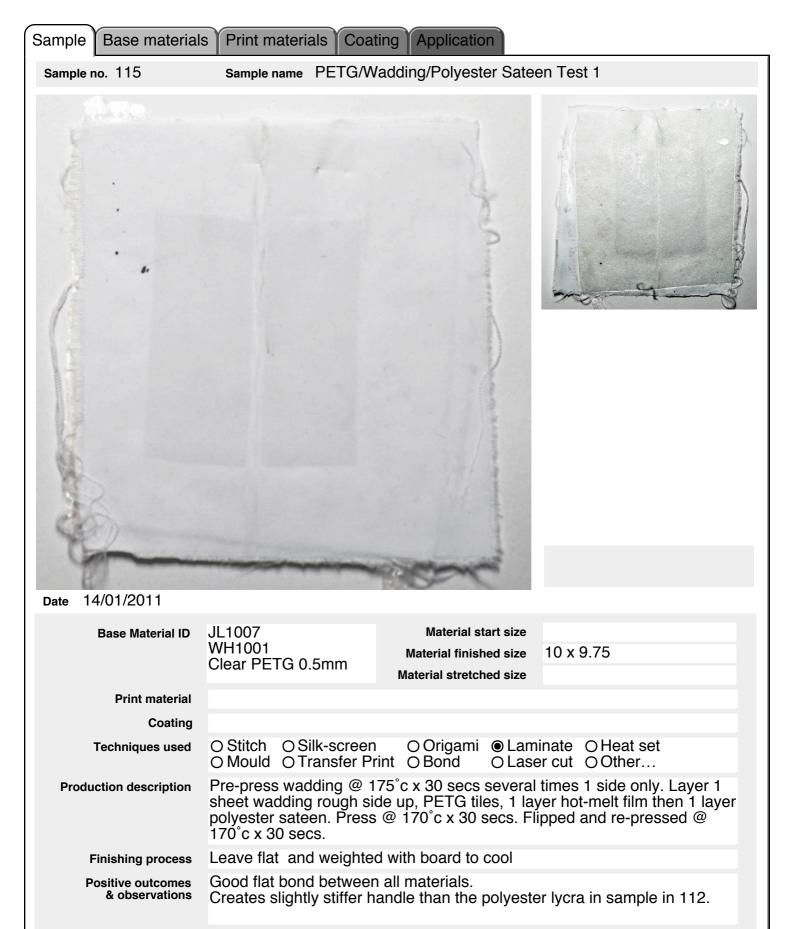




	Sample name PETG/W	adding/Lycra Test 1	
		4	
ate 14/01/2011			
ate 14/01/2011 Base Material ID	MW1001 AO1001 Clear PETG 0.5mm	Material start size Material finished size Material stretched size	10.25 x 9
	AO1001	Material finished size	10.25 x 9
Base Material ID Print material Coating	AO1001 Clear PETG 0.5mm	Material finished size Material stretched size	
Base Material ID Print material	AO1001	Material finished size Material stretched size	inate OHeat set
Base Material ID Print material Coating	AO1001 Clear PETG 0.5mm O Stitch O Silk-screen O Mould O Transfer Pri	Material finished size Material stretched size O Origami O Lam Int O Bond O Lase 75°c x 30 secs. Layer yer hot-melt film then	inate OHeat set er cut OOther 1 sheet wadding rougher 1 layer polyester lycra.
Base Material ID Print material Coating Techniques used	AO1001 Clear PETG 0.5mm O Stitch O Silk-screen O Mould O Transfer Pri Pre-press wadding @ 17 side up, PETG tiles, 1 la	Material finished size Material stretched size O Origami O Lam Int O Bond O Lase 75°c x 30 secs. Layer yer hot-melt film then	inate OHeat set er cut OOther 1 sheet wadding rougher 1 layer polyester lycra.
Base Material ID Print material Coating Techniques used Production description	AO1001 Clear PETG 0.5mm O Stitch O Silk-screen O Mould O Transfer Pri Pre-press wadding @ 17 side up, PETG tiles, 1 la Press @ 170°c x 30 sec	Material finished size Material stretched size O Origami O Lam Int O Bond O Lase 75°c x 30 secs. Layer yer hot-melt film then s. Flipped and re-press	inate O Heat set er cut O Other 1 sheet wadding rougher 1 layer polyester lycra. sed @ 170°c x 30 secs.
Base Material ID Print material Coating Techniques used Production description Finishing process Positive outcomes	AO1001 Clear PETG 0.5mm O Stitch O Silk-screen O Mould O Transfer Pri Pre-press wadding @ 17 side up, PETG tiles, 1 la Press @ 170°c x 30 sec Leave flat to cool Good strong and flat boo	Material finished size Material stretched size O Origami O Lam O Bond O Lase 75°c x 30 secs. Layer yer hot-melt film then s. Flipped and re-press	inate O Heat set er cut O Other 1 sheet wadding rougher 1 layer polyester lycra. sed @ 170°c x 30 secs.

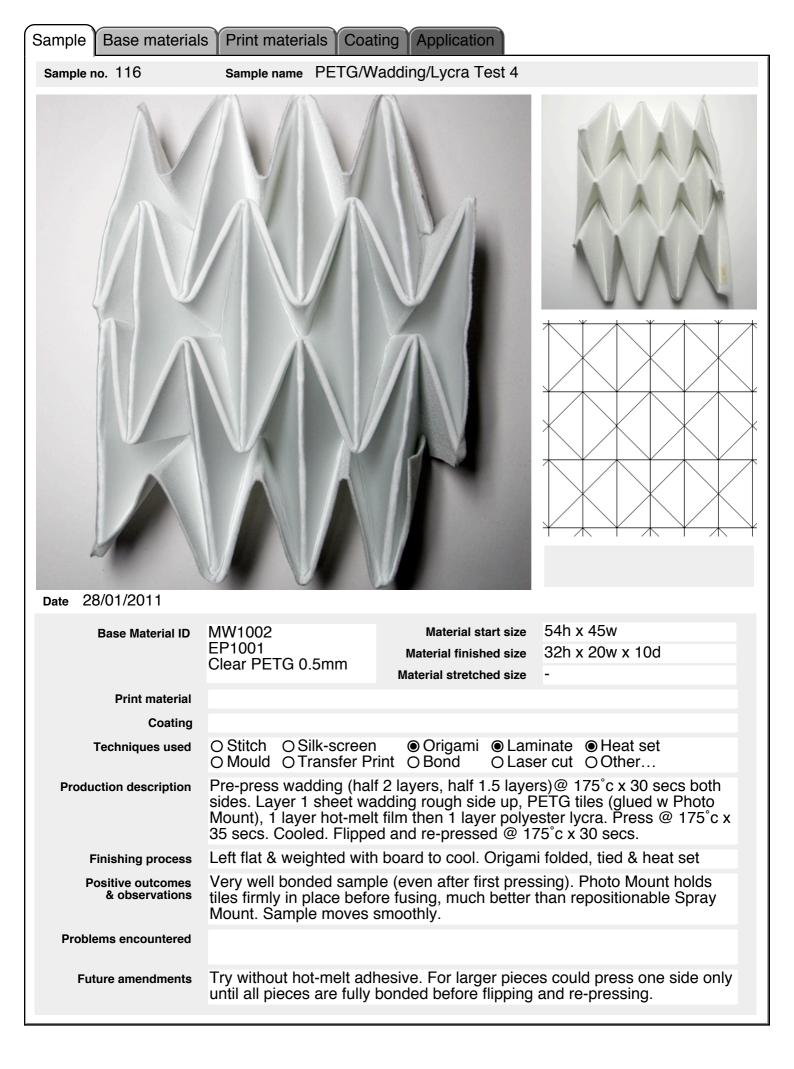


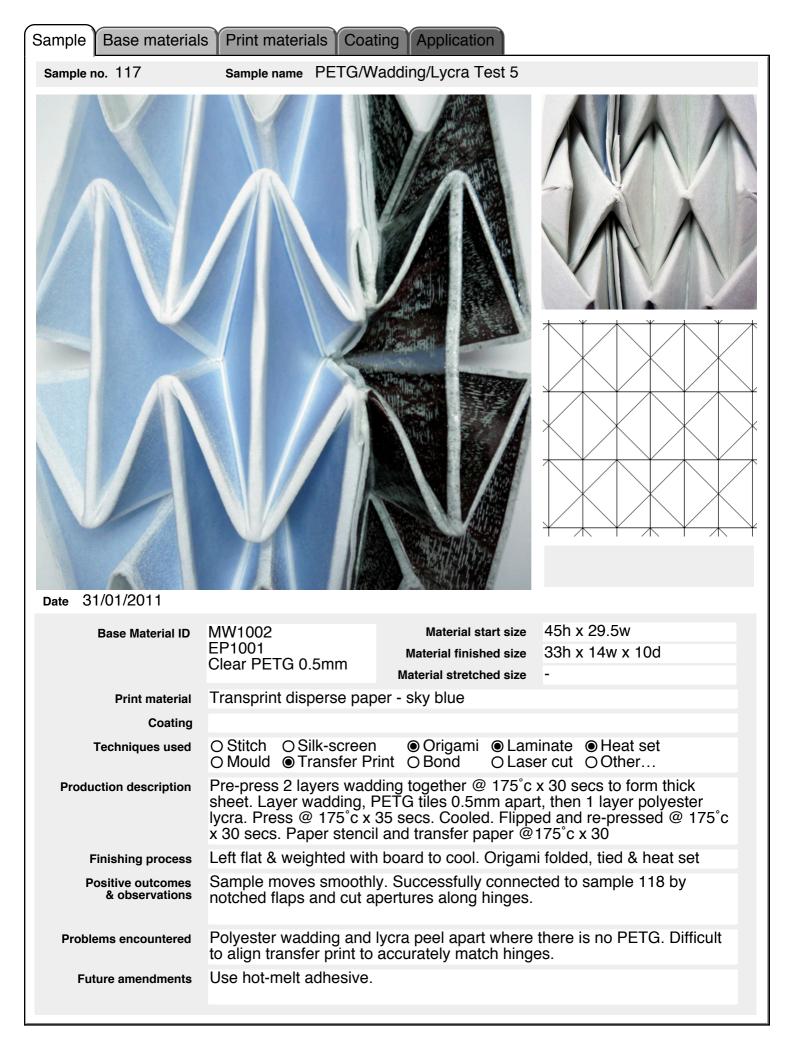




Problems encountered Hinge bubbles slightly on sateen side when folded

Future amendments





Sample Base material	s Print materials Coat	ting Application	
Sample no. 118	Sample name PETG/W	adding Foil Test 1	
			<image/>
Date 04/02/2011			
Base Material ID	MW1002	Material start size	45h x 15w
	EP1001 Clear PETG 0.5mm	Material finished size	33h x 8.5w x 7.5d
Drivt westerial		Material stretched size	
Print material	Gunmetal textile foil		
Coating Techniques used	O Stitch O Silk-screen O Mould O Transfer Pr	o ●Origami ●Lan rint OBond OLas	ninate Heat set er cut Other
Production description	Pre-press 2 layers wad sheet. Layer wadding, F @ 175°c x 30 secs. Coo Cooled before peeling c	PETG tiles 0.5mm apar pled. Flipped and re-pr	x 30 secs to form thick rt, then gunmetal foil. Press essed @ 175°c x 30 secs.
Finishing process	Left flat & weighted with board to cool. Origami folded, tied & heat set		
Positive outcomes & observations	Sample moves smoothl notched flaps and cut a		
Problems encountered			
Future amendments	Measure cuts and make	e notched flaps neater.	

Sample Base material	s Print material	ls Coating	Application	
Sample no. 119	Sample name	PETG/Wad	ding/Lycra Test 6	
Date 28/01/2011				<image/>
Base Material ID	MW1002 EP1001 Clear PETG 0.5	ömm	Material start size Material finished size Material stretched size	e 32h x 13w x 8d
Print material Coating	Transprint dispe			
Techniques used	O Stitch O Sill O Mould ● Tra	k-screen ansfer Print	● Origami ● La O Bond O La	minate Heat set ser cut OOther
Production description	wadding, PETC one edge), hot-	a tiles glued melt film th	l w Photo Mount 0 en lycra. Press@1	secs both sides. Put .5mm apart (exactly along 75°c x 35 secs. Flip and re- ansfer paper @175°c x 30s
Finishing process	Origami fold, tie & heat set. Connected to sample 120 w stitch & hot-melt			
Positive outcomes & observations	-	ed sample.	Reasonable depth	n of colour although using
Problems encountered	Difficult to align neater.	transfer pr	int to accurately m	atch hinges. Hinge could be
Future amendments				

Sample Base material	s Print materials Coat	ing Application	
Sample no. 120	Sample name PETG/W	adding/Lycra Test 7	
Date 28/01/2011			<image/>
Base Material ID	MW1002 EP1001 Clear PETG 0.5mm	Material start size Material finished size Material stretched size	44.5h x 15w 33h x 11w x 9d -
Print material			
Coating			
Techniques used	O Stitch O Silk-screen O Mould O Transfer Pr	● Origami ● Lam int ○ Bond ○ Las	ninate Heat set er cut OOther
Production description	Pre-press 2 layers wadd wadding, PETG tiles glu film then 1 layer lycra. F x 30 secs. Origami fold,	ued w Photo Mount 0.5 Press@175°c x 35 secs	imm apart, 1 layer hot-melt s. Flip and re-press@175°c
Finishing process	Connected to sample 120 w stitch & hot-melt film.		
Positive outcomes & observations	well bonded sample.		
Problems encountered	Hinge could be neater.		
Future amendments			