

THERMAL TRANSFER – durable and reliable

Topcoats for thermal transfer printing have been developed to achieve excellent line definition, as well as smudge-proof and chemically resistant prints. Sihl customers have successfully had several of the products approved by UL/CSA self-adhesive standards.

Relevant features for thermal transfer

- > Good bond of resin or wax/resin inks
- > High chemical resistance
- > Excellent outdoor performance
- > UL, CSA standards are achievable for some of our FACESTOCK products



Product range



Colour	Surface	Base film thickness µm	Type of film	Product name	Product code	Laser	Thermal transfer	Durables	Pharmaceuticals	Security & brand protection
Transparent	matt	50	PET	P-50 transparent SP1	7057	✓	✓ ⁽¹⁾	✓	✓	✓
	glossy	36	PET	P-36 transparent P1	7053		✓ ⁽¹⁾	✓	✓	✓
White	matt	50	PET	P-50 white SP1	7049	✓	✓ ⁽¹⁾	✓	✓	✓
		75	PET	P-75 white L1	7091	✓	✓ ⁽¹⁾	✓	✓	✓
	glossy	50	PET	P-50 white P1	7092		✓ ⁽¹⁾	✓	✓	✓
Silver	matt	50	PET	P-50 silver matt L1	7144	✓	✓ ⁽¹⁾	✓	✓	✓
		75	PET	P-75 silver matt L1	7145	✓	✓ ⁽¹⁾	✓	✓	✓

1) UL approvable

Customized coatings and options

The Sihl group has the expert knowledge for developing coatings with different functions

- > Water-repellant
- > Soundproofing
- > Scratch resistant
- > Temperature insulation
- > Conductive currents
- > Highly absorbency on synthetic, paper and compound (ENDURO)

Options

- > Thermal stabilisation
- > Security features
- > Reverse side coatings to improve adhesives anchorage of specific
- > Black out reverse sides



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FACESTOCK

Unique for labels



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LASER – competence in films

Many of the Sihl bespoke laser topcoats are proving multi-printable – printing well with aqueous inkjet inks, and/or suitable for thermal transfer technology, for outdoor usage.

Relevant features for laser

- > Good toner anchorage
- > Excellent colour brilliance
- > With a suitable backing, good sheet-fed properties
- > UL, CSA, BS 5609 standards are achievable for some of our FACESTOCK products



INKJET – specialist for quality

Aqueous inkjet for synthetics

Sihl offer a wide range of synthetic FACESTOCK products suitable for both dye and pigment inks. The base films encompass BOPP, PET, squeezable (PP/PE blend), non-woven and woven. Sihl coatings are available in matt, satin or glossy. They have been successfully tested on relevant OEM (Epson, Swift, and various Memjet powered printers). Some grades are compatible for both aqueous inkjet and laser.

Relevant features for aqueous inkjet

- > High resolution
- > High printing speeds
- > Smudge-proof prints
- > Defined contours and line definition
- > Excellent colour brilliance



INKJET – specialist for quality

Aqueous inkjet for matt coated papers

A range of matt coated papers for aqueous inkjet is available.

Product range

Colour	Surface	Total weight gsm	Total thickness µm	V.I.P. properties	Product name	Product code	Standard width
White	matt	83	97	inkjet water-based dye & pigment inks	DigiPress 83 C1S	6124	1020 mm 1340 mm 1550 mm
		95	105	inkjet water-based dye & pigment inks	Diajet EcoColor 90	3650	1020 mm 1340 mm 1550 mm
		90	125	inkjet water-based dye & pigment inks	TrueColor Paper 90	3330	1020 mm 1340 mm 1550 mm

Product range

Colour	Surface	Base film thickness µm	Type of film	Product name	Product code	Laser	Thermal transfer	Inkjet AQ	A4 and cut size	Durables	Oil & industrial chemicals	Logistics & transport
Transparent	matt	36	PET	P-36 transparent ILM1	7871	✓		✓	✓			✓
		50	PET	P-50 transparent SP1	7057	✓	✓			✓		
		80	ENDURO	Ice 80	6938	✓			✓			✓
White	matt	36	PET	P-36 transparent ILG1	7868	✓		✓	✓			✓
		50	PET	P-50 white SP1	7049	✓	✓		✓	✓ ⁽¹⁾	✓ ⁽²⁾	✓
		50	PET	P-50 white SM1	7621	✓	✓		✓	✓ ⁽¹⁾	✓ ⁽²⁾	✓
White	matt	50	PET	P-50 white M1-LS	7064	✓	✓		✓	✓ ⁽¹⁾	✓ ⁽²⁾	✓
		75	PET	P-75 white L1	7091	✓	✓		✓	✓ ⁽¹⁾	✓ ⁽²⁾	✓
Silver	matt	50	PET	P-50 silver matt L1	7144	✓	✓			✓ ⁽¹⁾		
		75	PET	P-75 silver matt L1	7145	✓	✓			✓ ⁽¹⁾		

*ENDURO = paper-film-paper laminate
 (1) UL approvable
 (2) BS 5609 approvable

Product range

Colour	Surface	Base film thickness µm	Type of film	Product name	Product code	Inkjet AQ	A4 and cut size	Durables	Logistics & transport	Oil & industrial chemicals	Home & personal care	Pharmaceuticals
Transparent	matt	36	PET	P-36 transparent ILM1	7871	✓	✓					
		36	PET	P-36 transparent ILG1	7868	✓	✓					
		50	PET	P-50 transparent IG1	7858	✓	✓		✓			
	glossy	60	BOPP	O-60 transparent IG1	7852	✓	✓		✓			
			S ⁽³⁾	CS-85 glossy IHG1	7080	✓	✓				✓	✓
		50	PET	P-50 white IM1	7900	✓	✓	✓	✓	✓ ⁽²⁾		
White	matt	60	BOPP	O-60 white IM1	7093	✓	✓		✓		✓ ⁽²⁾	
		60	BOPP	O-60 white XM1	8000	✓ ⁽¹⁾		✓		✓ ⁽²⁾		
		205	PE non-woven	TyColor white 210	3261	✓		✓	✓	✓		
		290	PET non-woven	TexBanner Xtrem white 145	3275	✓		✓	✓	✓		
			S ⁽³⁾	WS-75 matt IM1	7095	✓	✓		✓		✓	✓
	glossy		S ⁽³⁾	WS-75 matt XM1	7096	✓	✓	✓			✓	✓
		50	PET	P-50 white IHG1	7859	✓	✓					
		60	BOPP	O-60 white IG1	7853	✓	✓					
		60	BOPP	O-60 white IHG1	7857	✓	✓					
			S ⁽³⁾	WS-85 glossy IHG1	7079	✓	✓				✓	✓
satin		S ⁽³⁾	WS-85 satin IG1	7094	✓	✓					✓	✓

(1) Only pigment inks
 (2) BS 5609 approvable
 (3) Squeezable

Solvent/latex inkjet for synthetics

FACESTOCK films are available with an inkjet receptive coating for latex or solvent inks.

Relevant features for solvent/latex inkjet

- > Excellent colour brilliance
- > Scratch resistant
- > High transparency for clear film (no label look)
- > Quick drying
- > Waterfast prints
- > Defined contours and line definition

Options

- > Base film PET transparent
- > Base film PET white
- > Base film BOPP is optional and under development