




Marabu





PAD PRINTING INKS

**Table of Inks
and Substrates**

Pad Printing Inks

Product Information	Tampa® Cure TPC 	Tampa® Glass TPGL	Tampa® RotaSpeed TPHF	Tampa® Plus TPL	Tampa® Star TPR
Ink System	UV, 1C/2C	solvent, 2C	solvent, 1C/2C	solvent, 1C/2C	solvent, 1C/2C
Drying	fast	fast	very fast	very fast	very fast
Degree of Gloss	high gloss	glossy	glossy	glossy	glossy
Opacity	high	high	high	high	high
Special Characteristics	resistant to chemicals	dishwasher resistant	halogen-free, waterproof, for rotary pad printing	free of aromatic solvents, resistant to alcohol and petrol	universally applicable, resistant to petrol
Basic Shades	17	17	17	17	17
4-Clr Process	-	-	-	4	4
Others	3	7	2	10	10
Specials	Opaque White and Black	High-opaque shades, press-ready silver	Press-ready Silver	Press-ready Metallics, High-Opaque Shades, High-Gloss White	Press-ready Metallics, High-Opaque Shades, Opaque White
Auxiliaries					
Thinner	TPV 2	TPGLV, TPV	TPV	TPV	TPV, TPV 7
Thinner, Fast	-	PPTPV	TPV 2	TPV 2	TPV 2
Thinner, Slow	TPV, TPV 7	TPV 3	TPV 3, TPV 8	TPV 3	TPV 3
Retarder	-	SV 3	-	SV 11	SV 1
Retarder Paste	-	-	-	VP	VP
Accelerator	UV-B 1	-	-	-	-
Hardener	H 1, H 2, H 4	MGLH	H 2	(H 1*), H 2	H 1, H 2, H 4, HT 1
Adhesion Modifier	UV-HV 1	-	-	-	-
Varnish/Bronze Binder	TPC 910	TPGL 910	TPHF 910	TPL 910	TPR 910
Transparent Base	-	-	-	-	TPR 409
Antistatic Paste	-	AP	-	-	AP
Matting Powder	MP	MP	MP	MP	MP
Opaquing Paste	OP 170		-	-	OP 170
Levelling Agent	ES	ES	-	-	ES
Cleaner	UR 3, UR 4, UR 5	UR 5	UR 4, UR 5	UR 4, UR 5	UR 3, UR 4, UR 5

Substrates	Tampa® Cure TPC 	Tampa® Glass TPGL	Tampa® RotaSpeed TPHF	Tampa® Plus TPL	Tampa® Star TPR
ABS/SAN	✓			✓	✓
Acrylic Glass (PMMA)	✓			✓	✓
Anodised Aluminium		✓ 		✓ H	✓ H
Glass, Ceramics		✓			
Metals	✓ H	✓			
Paper, Corrugated Board				✓	✓
PETG, PETA		✓ 			
Polyacetal (POM)		✓ 			✓ H 
Polyamide (PA)	✓ H				✓ H 
Polycarbonate (PC)	✓			✓	✓
Polyester Foil, Coated					
Polyethylene (PE), Pre-Treated	✓ H		✓		
Polypropylene (PP), Pre-Treated	✓ H		✓		
Polypropylene (PP), Un-Treated					
Polystyrene (PS)	✓			✓	✓
PVC, Rigid	✓			✓	✓
PVC, Soft				✓	✓
Textiles, Cotton					
Textiles, Synthetics					
Thermoplastic Elastomers (TPE)					
Thermosetting Plastics				✓ H	✓ H
Varnished Surfaces	✓ H			✓ H	✓ H
Wood				✓	✓
Typical or Additional Application	Audio and Electronic Products, Technical Markings	Glass for Indoor Applications	Closures	Toys, Promotional Items, Office Products	Sporting Goods, Promotional, Office and Medical Products

 = suitable
  = limited suitability
  = pre-treatment with PLR
  = post-treatment by flame, hot air, or oven drying
 H = with hardener
 HV = adhesion modifier
 * not for printing on toys

Pad Printing Inks

Product Information	Tampa® Tech TPT	Tampa® Pur TPU	Tampa® Tex TPX	Tampa® Pol TPY	Mara® Prop PP
Ink System	solvent, 2C	solvent, 2C	solvent, 2C	solvent, 1C/2C	solvent, 1C
Drying	fast	fast	medium	fast	fast
Degree of Gloss	high gloss	high gloss	satin gloss	glossy	satin gloss
Opacity	high	high	high	high	medium
Special Characteristics	resistant to chemicals, long pot life	resistant to chemicals, conform with Oeko-Tex® Standard 100	wash resistant, conform with Oeko-Tex® Standard 100	resistant to chemicals	screen and pad printing ink, very elastic
Basic Shades	17	17	17	17	14
4-Clr Process	-	4	4	4	-
Others	8	9	4	8	3
Specials	Press-ready Metallics, High-Opaque Shades	Press-ready Metallics, High-Opaque Shades	Press-ready Silver, Overprint Varnish	Press-ready Metallics, High-Opaque Shades	Opaque White, Bronze Binder
Auxiliaries					
Thinner	TPV	TPV, TPV 7	TPV	TPV, TPV 7	PPTPV
Thinner, Fast	TPV 2, TPV 7	TPV 2	TPV 2, TPV 7, TPV 9	TPV 2	-
Thinner, Slow	TPV 3	TPV 3	TPV 8, TPV 3	TPV 3	-
Retarder	SV 1	SV 1	-	SV 1	SV 1, QNV
Retarder Paste	VP	VP	-	VP	-
Accelerator	-	-	-	-	-
Hardener	H 2, HT 1	H 1, H 2, H 4, HT 1	HX, H 4	H 1, H 2, H 4, HT 1	-
Adhesion Modifier	-	-	-	-	-
Varnish/Bronze Binder	TPT 910	TPU 910	TPX 910	TPY 910	PP 902
Transparent Base	-	TPU 409	-	-	PP 409
Antistatic Paste	AP	AP	-	AP	AP
Matting Powder	MP	MP	-	MP	MP
Opaquing Paste	OP 170	OP 170	-	OP 170	-
Levelling Agent	ES	ES	-	ES	ES
Cleaner	UR 4, UR 5	UR 3, UR 4, UR 5	UR 5	UR 3, UR 4, UR 5	UR 3, UR 4, UR 5

Substrates	Tampa® Tech TPT	Tampa® Pur TPU	Tampa® Tex TPX	Tampa® Pol TPY	Mara® Prop PP
ABS/SAN	✓			✓	
Acrylic Glass (PMMA)					
Anodised Aluminium	✓	✓	✓		
Glass, Ceramics	✓	✓			
Metals	✓	✓	✓	✓ H	
Paper, Corrugated Board			✓	✓	
PETG, PETA			✓		
Polyacetal (POM)	✓ H ⚡	✓ H ⚡	✓		
Polyamide (PA)	✓	✓	✓	✓ H ⚡	
Polycarbonate (PC)					
Polyester Foil, Coated			✓		
Polyethylene (PE), Pre-Treated	✓	✓		✓ H	
Polypropylene (PP), Pre-Treated	✓	✓	✓	✓ H	✓
Polypropylene (PP), Un-Treated			✓		✓
Polystyrene (PS)					
PVC, Rigid			✓	✓	
PVC, Soft			✓		
Textiles, Cotton		✓	✓		
Textiles, Synthetics		✓	✓		
Thermoplastic Elastomers (TPE)			✓		
Thermosetting Plastics	✓	✓		✓ H	
Varnished Surfaces	✓	✓	✓	✓ H	
Wood	✓	✓	✓	✓	
Typical or Additional Application	Promotional Items, Office Products, Glass	Sporting Goods, Medical Products	Textiles, Toys, Baby Products	Audio and Electronic Products, Automotive	Medical Products, Packaging

✓ = suitable ✓ = limited suitability ⚡ = post-treatment by flame, hot air, or oven drying H = with hardener

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Do you need **technical support**? We will be glad to help you: Phone: +49(0) 7141-691-140 • technical.hotline@marabu.de • www.marabu-inks.com