

	Glass Ink GL	Maraprop PP	Ultragraph UVAR	Ultraform UVFM	Ultraglass UVGO	Ultragraph UVGR	Ultradisc UVOD	Ultrapack UVPOR	Ultrapack UVC
<b>Product Info</b>									
Ink System	Solv. 2C	Solv. 1C	UV	UV	UV 2C	UV	UV	UV	UV
Drying	medium	medium	Fast	Fast	Very fast	Very fast	Very fast	Fast	Very Fast
Degree of gloss	satin	satin	glossy	Glossy	High gloss	glossy	High gloss	High gloss	glossy
Opacity	excellent	medium	medium	Medium	excellent	medium	Excellent	Excellent	Excellent
Outdoor Resistance	Short-term	Medium-term	Medium-term	Long-term	Medium-term	Short-term	Short-term	Short-term	Very Good
Special Charac.	Dishwasher resistance	For un-treated PP	Allround ink	Vacuum formability	Dishwasher resistant	Highly reactive	Optimised in rheology	Very high gloss	High Gloss
Basic shades	14	14	13	13	13	13	13	13	13
4-Clr. Process	4	4	8	8	4	8	12	4	4
Other	12	1	2	2	14	2	12	2	4
Specials	Transp. Shades, etch imitations	Opaque white	4-colour process with higher density	4-colour process with higher density	Etch imitations	Opaque white, opaque black	CD-R match, fluorescent	Opaque white Opaque black	Opaque White Opaque Black

### Auxiliaries

Thinner	GLV	QNV/UKV 1	UVV 6	UVV 6	UVV6	UVV 2	UVV 1/UVV 2	UVV 1	UVV1
Thinner, mild	-	-	-	-	-	-	-	-	-
Retarder	SV 1	SV 1	-	-	-	-	-	-	-
Retarder, slow	SV 9	-	-	-	-	-	-	-	-
Retarder Paste	-	-	-	-	-	-	-	-	-
Hardener	GLH	-	-	-	UV-HV 8	-	-	H1/H2	H3
Print varn./bronze binder	GL 910	PP 902	UVAR 904/910	904/910/911	904/910	UVGR 904/910	UVOD 904/912	UVPOR 904	UVC 904
Transparent Base	GL 409	PP 409	-	UVFM 409	UVGO 409	UVGR 409	UVOD 409	UVPOR 409	UVC 409
Cleaner	UR 3	UR 3	UR 3	UR 3	UR 3	UR 3	UR 3	UR 4	UR 3 & UR 4

### Substrates

Polystyrene (PS)									
ABS/SAN									
Self-adhesive PVC foil									
PVC, rigid									
PVC, soft									
Polycarbonate (PC)									
Polyester, emboss									
PETG, PETA									
Acrylic glass (PMMA)									
PE, PP, pre-treated		<sup>3</sup>   (PP)	<sup>1</sup>	<sup>1</sup>				<sup>3</sup>   +/-H2	
PP, un-treated									
Polyamide (PA)								<sup>3</sup>	
Polyacetal (POM)									
Thermoplastics									
Paper, corrugated paper									
Coated substrates	<sup>2</sup>				<sup>2</sup>   HV 8				
Anodised aluminium	<sup>2</sup>				<sup>2</sup>   HV 1				
Metals	<sup>2</sup>				<sup>2</sup>   HV 8				
Glass					HV 8				
Wood									
Textiles, synthetics									
Textiles, cotton									
Typical or additional application	Glass for indoor applications	PP folder & binders, PP banners	Universal graphical ink	Vacuum formable parts	Glass, packaging	Graphic screen printing	All optical disc formats	packaging	

| = suitable m = limited suitability 2C = with 10% hardener H1 or H2 HV = adhesion modifier <sup>1</sup> = pre-treated PE & PP foils <sup>2</sup> = pre-treatment with IPA  
<sup>3</sup> = pre-treatment by flame or corona , = post treatment by flame, hot air, or oven drying

	Tampastar TPR	Tampapol TPY	Tampapur TPU	Tampagraph TPGR
<b>Product Info</b>				
Degree of gloss	glossy	glossy	high gloss	High opaque / glossy
Nature Of Ink				
Drying	very fast	fast	medium	fast
Type of drying	physical	physical	reactive	Fast physical
Ink System	1C or 2C	1C or 2C	2C	
Resistance	petrol & alcohol	chemicals	chemicals & mech	alcohol
Special Charac.	universal use	good resistance	high resistance	

<b>Auxiliaries</b>				
Thinner	TPV	TPV	TPV	TPV
Thinner, fast	TPV 2	TPV 2	TPV 2	TPV 2
Thinner, slow	TPV 3	TPV 3	TPV 3	TPV 3
Retarder	SV 1	SV 1	SV 1	SV 1
Retarder Paste	VP	VP	VP	VP
Hardener	H 1, 10%	H 1, 10%	H 1, 25%	H1, 10%
Hardener, fast	H 2, 10%	H 2, 10%	H 2, 25%	-
Hardener, Heat reactive	H 1, 10%	H 1, 10%	H 1, 25%	-
Antistatic paste	AP	AP	AP	AP
Opaquing Paste	OP 170	OP 170	OP 170	OP 170
Overprint Varnish Bronze Binder	TPR 910	TPY 910	TPR 910	TPR 910
Transparent Base	TPR 409	TPY 409	TPR 409	TPGR 409
Matting Paste	AMB	AMB	-	-
Matting Powder	MP	MP	MP	MP
Levelling Agent	ES	ES	ES	ES
Primer for PP	-	P2	P2	P2
Cleaner	UR 3	UR 3	UR 3	UR 3

<b>Substrates</b>				
ABS	•	•		•
Acrylic glass (PMMA)	•			
Aluminium, anodized	••	••	•	
Thermosetting Plastics	••	••	•	
Glass, ceramics			○x	
Varnished surfaces	••	••	•	•
Melamine resin			•	
Metal	••	••	•	
Paper, Cardboard	•	•		
Polyacetal (POM)	••←	••←	•←	
Polymide (PA)	••←	••←	•	
Polycarbonate (PC)	•			
Polyester (PET)	••←		•←	
PE, Pre-treated		••	•	
PP, Pre-treated		••	•	
PP, non pre-treated				
Polystyrene (PS)	•			•
Polyurethane, rigid	•	•	•	
PVC, rigid	••	••		•
PVC, soft	○			

• = suitable ○ = partly suitable •• = with hardener x = not dishwasher-proof ← = with post-flame treatment or post-treatment with hot air (approx. 3-4 sec. at 300-400°C)