



Marabu Screen Printing Inks

Ink Characteristics Table

Table of Substrates



	Maraflex FX	Glass Ink GL	Maragloss GO	Maragraph GR	Libragloss LIG	Libramatt LIM	Libraprint LIP	Libraspeed LIS	Maramold MACR	Maramold MPC		Marapoly P	Maraplan PL	Maraprop PP	Marapur PU	Marapol PY	Marastar SR	Marafloor TK	Texacool TXC	Ultragraph UVAR	Ultraflex UVF		Ultraform UVFM	Ultraglass UVGO	Ultragraph UVGR	Ultradisc UVOD	Ultraplus UVP	Ultrapack UVPK	Ultrapack UVPOR	UltraRotaScreen UVRS	Ultrastar UVS	Ultrastar-M UVSM		
Product information											Product information											Product information												
Ink system	Solv. 1C	Solv. 2C	Solv. 1C	Solv. 1C	Solv. 1C	Solv. 1C	Solv. 1C	Solv. 1C	Solv. 1C	Solv. 1C or 2C	Ink system	Solv. 2C	Solv. 1C	Solv. 1C	Solv. 2C	Solv. 1C or 2C	Solv. 1C or 2C	Solv. 2C	Aqueous 2C	UV	UV	Ink system	UV	UV 2C	UV	UV	UV	UV	UV	UV	UV	UV	UV	
Drying	fast	medium	fast	very fast	fast	fast	fast	very fast	fast	fast	Drying	medium	fast	medium	medium	medium	very fast	fast	fast	fast	fast	Drying	fast	very fast	very fast	very fast	fast	very fast	fast	very fast	fast	very fast	fast	
Degree of gloss	satin	satin	glossy	satin	glossy	mat	glossy	glossy	glossy	glossy	Degree of gloss	high gloss	satin	satin	high gloss	high gloss	high gloss	mat	mat	glossy	glossy	Degree of gloss	glossy	high gloss	glossy	high gloss	high gloss	high gloss	high gloss	high gloss	high gloss	high gloss	mat	
Opacity	medium	excellent	excellent	medium	medium	excellent	medium	medium	medium	medium	Opacity	excellent	excellent	medium	excellent	excellent	excellent	excellent	excellent	medium	medium	Opacity	medium	excellent	medium	excellent	medium	excellent	medium	excellent	medium	medium	excellent	
Outdoor resistance	medium-term	short-term	medium-term	short-term	medium-term	medium-term	medium-term	long-term	medium-term	medium-term	Outdoor resistance	long-term	long-term	medium-term	long-term	medium-term	long-term	medium-term	short-term	medium-term	medium-term	Outdoor resistance	long-term	medium-term	short-term	short-term	medium-term	short-term	short-term	short-term	long-term	long-term	medium-term	
Special characteristics	can be laminated	dishwasher resistance	flexible ink film	high block resistance	very mild	mat ink film	very good printability	very good vacuum formability	excellent forming properties	very temperature resistant	Special characteristics	high alkaline resistance	plasticiser resistant	for untreated PP	resistant to chemicals	flexible ink film	resistant to petrol	high wash resistance	cold fixable	allround ink	flexible ink film	Special characteristics	vacuum formability	dishwasher resistant	highly reactive	optimised ink rheology	resistant to chemicals	very fast adhesion	very high gloss	for rotary screen printing	very universal	mat UV-ink		
Basic shades	17	14	21	21	21	17	17	21	17	17	Basic shades	17	13	14	21	21	21	17	12	13	13	Basic shades	13	13	13	13	13	13	13	13	13	13	13	
4-Clr. Process	-	4	-	4	4	-	8	8	-	-	4-Clr. Process	-	-	4	-	-	-	-	-	8	-	4-Clr. Process	8	4	8	12	4	4	4	-	8	4		
Other	8	12	8	-	9	4	1	26	-	1	Other	-	3	1	8	1	36	1	-	2	2	Other	2	14	2	12	2	3	2	5	2	1		
Specials	Metallic Mixing System	transp. shades, etch imitations	fluorescent (mat)	suitable for placarding	PANTONE® Basic Shades	blocking silver	4-colour process with higher density	highly fade-resistant shades	1C-ink system	1C- or 2C-ink system	Specials	UV absorber, printing varnish	press-ready silver and gold	opaque white	PU for traffic signs	opaque white	transparent shades	opaque white	opaque white	opaque white	4-colour process with higher density	opaque white, opaque black	Specials	4-colour process with higher density	etch imitations	opaque white, opaque black	CD-R Match, fluorescent	opaque white, opaque black	thixotropic opaque white	opaque white, opaque black	silicone-free opaque white	satin-matt 4-colour process	opaque black	
Auxiliaries											Auxiliaries											Auxiliaries												
Thinner	UKV 1	GLV	QNV	UR 3	LIGV	-	UKV 2	UKV 1	UKV 1	UKV 1	Thinner	PV	PLV	QNV/UKV 1	PUV	UKV 1	UKV 1	UKV 1	water	UVV 6	UVV 6	Thinner	UVV 6	UVV 6	UVV 2	UVV 1/UVV 2	UVV 2	UVV 4	UVV 1	UVV 5	UVV 2	UVV 2		
Thinner, mild	UKV 2	-	-	PSV	UKV 2/PSV	UKV 2	PSV	UKV 2/PSV	-	-	Thinner, mild	-	-	-	-	UKV 2	UKV 2	UKV 2	-	-	-	Thinner, mild	-	-	-	-	-	-	-	-	-	-	-	
Retarder	SV 5	SV 1	SV 1	SV 1	SV 1	SV 1	SV 5	SV 1	SV 1	SV 1	Retarder	SV 5	-	SV 1	SV 1/SV 5	SV 3/SV 5	SV 1/SV 5	SV 1	-	-	-	Retarder	-	-	-	-	-	-	-	-	-	-	-	
Retarder, slow	SV 10	SV 9	SV 9	-	SV 9	SV 9	SV 10	SV 9	SV 10	SV 10	Retarder, slow	SV 10	-	-	SV 9	SV 9	SV 10	-	-	-	-	Retarder, slow	-	-	-	-	-	-	-	-	-	-	-	
Retarder paste	-	-	VP	-	VP	VP	VP	VP	-	-	Retarder paste	-	-	-	-	VP	-	-	-	-	-	Retarder paste	-	-	-	-	-	-	-	-	-	-	-	
Hardener	-	GLH	-	-	-	-	-	-	-	H 2	Hardener	H 1	-	-	H 1/H 2/HT 1	+/- H1/H2/HT1	+/- H 1	H 2	TXCH	-	UV-HV2/4	Hardener	-	UV-HV 8	-	-	UV-HV 1/4	UV-HV 4, H2	H1/H2	-	UV-HV1/2/4	UV-HV 1/4		
Print varn./bronze binder	FX910/FX904	GL 910	GO910/902	GR 910	LIG 910	LIM 910	LIP 910	LIS 910	MACR 910	MPC 910	Print varn./bronze binder	P 910	-	PP 902	PU910/PU911	PY 910	SR 910/SR 911	TK 902	TXC 902	UVAR 904/910	UVF 904	Print varn./bronze binder	904/910/911	904/910	UVGR 904/910	UVOD 904/912	UVP 904	UVPK 904	UVPOR 904	UVRS 904	UVS 904	UVSM 904		
Transparent base	-	GL 409	GO 409	GR 409	LIG 409	LIM 409	LIP 409	LIS 409	-	-	Transparent base	P 409	-	PP 409	-	-	SR 409	-	-	UVAR 409	UVF 409	Transparent base	UVFM 409	UVGO 409	UVGR 409	UVOD 409	UVP 409	UVPK 409	UVPOR 409	-	UVS 409	UVSM 409		
Cleaner	UR 3	UR 3	UR 3	UR 3	UR 3	UR 3	UR 3	UR 3	UR 4	UR 3	Cleaner	UR 3	UR 3	UR 3	UR 3	UR 3	UR 3	UR 3	UR 3	UR 3	UR 3	Cleaner	UR 3	UR 3	UR 3	UR 3	UR 3	UR 3	UR 4	UR 3	UR 3	UR 3		
Substrates											Substrates											Substrates												
Polystyrene (PS)											Polystyrene (PS)											Polystyrene (PS)											+/- HV 4	
ABS/SAN											ABS/SAN											ABS/SAN											+/- HV 4	
Self-adhesive PVC foil											Self-adhesive PVC foil											Self-adhesive PVC foil												
PVC, rigid											PVC, rigid											PVC, rigid												
PVC, soft			²				²	²			PVC, soft		²							²	²	PVC, soft									² +/- HV 2			
Polycarbonate (PC)	^m										Polycarbonate (PC)											Polycarbonate (PC)												
Polyester, emboss											Polyester, emboss											Polyester, emboss												
PETG, PETA											PETG, PETA				2K	2K						PETG, PETA					HV 4	HV 4				HV 4		
Acrylic glass (PMMA)											Acrylic glass (PMMA)											Acrylic glass (PMMA)					HV 4				HV 4			
PE, PP, pre-treated											PE, PP, pre-treated	³		³ (PP)	³	³ 2K				¹	¹	PE, PP, pre-treated	¹			³ HV 4	³ +/- H2	³ +/- H2	¹	¹	³ HV 4			
PP, un-treated											PP, un-treated											PP, un-treated												
Polyamide (PA)											Polyamide (PA)					2K	2K	(Nylon)					Polyamide (PA)					³ m HV 4	³				³ m HV 4	
Polyacetal (POM)											Polyacetal (POM)					m 2K	2K					Polyacetal (POM)												
Thermoplastics											Thermoplastics				2K	2K						Thermoplastics												
Paper, corrugated paper											Paper, corrugated paper											Paper, corrugated paper												
Coated substrates		²									Coated substrates	²			²	² 2K	² 2K					Coated substrates	² HV 8				² HV 4					² HV 4		
Anodised aluminium		²									Anodised aluminium	²					² 2K					Anodised aluminium	² HV 1			² HV 4						² HV 4		
Metals		²									Metals	²		²		² 2K						Metals	² HV 8			² HV 1						² HV 1		
Glass											Glass											Glass			HV 8									
Wood											Wood											Wood												
Textiles, synthetics											Textiles, synthetics											Textiles, synthetics												
Textiles, cotton											Textiles, cotton											Textiles, cotton												
Typical or additional application	identity cards	glass, for indoor applications	graphic screen printing	paper and cardboard	graphic screen printing	printing onto PC foils	universal graphical ink	PMMA signs	IMD ink for PMMA	IMD ink for polycarbonate	Typical or additional application	bottle crates made of PE/PP	soft PVC tarpaulins	PP folder and binders, banners made of PP	metal housings	container printing	membrane switches	sunshades, sun blinds	cotton textiles	universal graphical ink	labels	Typical or additional application	vacuum formable parts	glass, packaging	graphic screen printing	all Optical Disc formats	industrial screen printing	packaging	packaging	labels	graphic screen printing	graphic screen printing		

| = suitable ^m = limited suitability 2C = with 10% hardener H1 or H2 HV = adhesion modifier ¹ = pre-treated PE and PP foils ² = pre-treatment with IPA ³ = pre-treatment by flame or Corona , = post-treatment by flame, hot air, or oven drying Please note that this chart only gives a survey of application fields. For detailed information, please see our technical data sheets.