



# SCREEN PRINTING INKS

**Table of Inks  
and Substrates**

# Solvent Based Inks and Substrates

## Overview

Substrates	Mare® Flex FX	Mare® Glass GO	Mare® Glow GW	Mare® Cure HY	Libra Glass LG	Libra Maril LIM	Libra Print LIP	Libra Speed LIS	Mare® Chrome MC	Mare® Glass MGH	Mare® Glass MGL	Mare® Glass MGS	Mare® Mold MPC	Mare® Switch MSW	Mare® Poly P	Mare® Plan PL	Mare® Prop PP	Mare® Pur PU	Mare® Pol PY	Mare® Speed SL	Mare® Star SR	Mare® Flor TK	Mare® Sign TS	Mare® Poxy Y
ABS/SAN	✓		✓	✓	✓		✓	✓					✓					✓H	✓	✓				
Acrylic Glass (PMMA)		✓	✓	✓	✓	✓	✓	✓					✓											
Anodised Aluminium										⚡							✓			⚡H				⚡
Glass, Ceramics								✓	✓	⚡	✓													
Metals										⚡							⚡	⚡H						
Paper, corrugated Board		✓	✓		✓	✓	✓													✓	✓			
PETG, PETA		✓				(PETG)		✓					(PETG)					✓H		✓H				
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, self-adhesive foil		✓	✓		✓	✓	✓					✓									✓	✓		
PVC, rigid	✓	✓	✓	✓	✓	✓	✓					✓	✓					✓	✓	✓				
PVC, soft		⚡			⚡	⚡									⚡									
Textiles, Cotton																						✓		
Textiles, Synthetics																						✓		
Thermosetting Plastics																		✓H		✓H				✓
Traffic Sign Foil, retro-reflective																							✓	
Varnished Surfaces										⚡				⚡			⚡	⚡H		⚡H				⚡
Wood		✓			✓		✓										✓	✓			✓			

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

# UV Inks and Substrates

## Overview

Ultra Pack LEDC    Ultra Graph UVAR    Ultra Board UVBR    Ultra Pack UVCR    Ultra Pack UVCP    Ultra Form UVFEM    Ultra Glass UVGL    Ultra Glass UVGO    Ultra Pack UVGX    Ultra Pack UVK+    Ultra Disc UVOD    Ultra Plus UVP    Ultra Mold UVPC    Ultra Pack UVPHR    Ultra RotScreen UVRS    Ultra Star UYS    Ultra RotScreen UVYSF    Ultra Star-M UVYSM    Ultra Graph UVYSP    Ultra Switch UVYSW

Substrates	Ultra Pack LEDC	Ultra Graph UVAR	Ultra Board UVBR	Ultra Pack UVCR	Ultra Pack UVCP	Ultra Form UVFEM	Ultra Glass UVGL	Ultra Glass UVGO	Ultra Pack UVGX	Ultra Pack UVK+	Ultra Disc UVOD	Ultra Plus UVP	Ultra Mold UVPC	Ultra Pack UVPHR	Ultra RotScreen UVRS	Ultra Star UYS	Ultra RotScreen UVYSF	Ultra Star-M UVYSM	Ultra Graph UVYSP	Ultra Switch UVYSW
ABS/SAN		✓			✓						✓									
Acrylic Glass (PMMA)					✓						✓HV									
Anodised Aluminium						✓HV	✓HV				✓HV									
Glass, Ceramics						✓HV	✓HV				(Glass)									
Metals						✓HV	✓HV				✓HV									
Paper, corrugated Board		✓	✓		✓									✓	✓	✓	✓	✓	✓	
PETG, PETA	(PETG)	(PETG)		(PETG)	(PETG)						✓HV		✓		✓				(PETG)	
Polyacetal (POM)																				
Polyamide (PA)				✓H																
Polycarbonate (PC)	✓	✓	✓	✓	✓					✓	✓	✓					✓	✓	✓	✓
Polyester Foil, coated														✓	✓	✓	✓			✓
Polyethylene (PE), pre-treated	✓		✓	✓	✓			✓	✓		✓HV		✓	✓	✓	✓	✓	✓HV		
Polypropylene (PP), pre-treated	✓	✓	✓	✓	✓			✓	✓		✓HV		✓	✓	✓	✓	✓	✓HV		
Polypropylene (PP), un-treated																				
Polystyrene (PS)	✓	✓	✓	✓	✓			✓			✓						✓	✓		
PVC, self-adhesive foil		✓	✓	✓	✓			✓			✓			✓	✓	✓	✓	✓		
PVC, rigid	✓	✓	✓	✓		✓		✓			✓				✓		✓	✓		
PVC, soft			✓												✓	✓				
Textiles, Cotton																				
Textiles, Synthetics																				
Thermosetting Plastics																				
Traffic Sign Foil, retro-reflective																				
Varnished Surfaces						✓HV	✓HV				✓HV									
Wood																				

✓ = suitable    ✓ = limited suitability    ✓ = pre-treatment with PLR    ✓ = pre-treatment by flame or Corona    ✓ = post-treatment by flame, hot air, or oven drying    H = with hardener    HV = adhesion modifier

# UV Inks

## Product Information

	Ultra Pack LEDC	Ultra Graph UVAR	Ultra Board UVBR	Ultra Pack UVC	Ultra Pack UVCP	Ultra Form UVFM	Ultra Glass UVGL	Ultra Glass UVGO	Ultra Pack UVGX	Ultra Pack UVK+
Ink System	LED	UV	UV	UV	UV	UV	UV 2C	UV 2C	UV	UV
Drying	very fast	fast	fast	very fast	very fast	slow	very fast	very fast	fast	very fast
Degree of Gloss	high gloss	glossy	satin gloss	glossy	high gloss	glossy	glossy	high gloss	satin gloss	high gloss
Opacity	medium	medium	medium	medium	medium	medium	medium	medium	medium	medium
Outdoor Resistance	short-term	medium-term	medium-term	short-term	short-term	long-term	short-term	short-term	short-term	short-term
Special Characteristics	universal use	flexible	very good print definition	universal application, resistant	sensible products	universal application, vacuum formable	dishwasher resistant	dishwasher resistant	low-odour	resistant to water and steam
Basic Shades	13	13	-	13	13	13	13	13	13	13
4-Clr Process	-	8	4	4	-	4	4	-	4	-
Others	8	5	4	14	4	5	18	4	4	6
Specials	High-Opaque Shades	Opaque White and Black	-	High-Opaque Shades, Opaque White and Black	Opaque White and Black	Opaque White and Black	Etch Imitations, High-Opaque Shades, Primers	Etch Imitations, High-Opaque Shades	Opaque White and Black	Opaque White and Black

## Auxiliaries

Thinner	UVV 1	UVV 6	UVV 2	UVV 1	-	UVV 6	UVV 6	UVV 6	UVV 2/3	UVV 3
Thinner (more flexibility)	-	-	UVV 6	-	-	-	-	-	UVV 6	-
Adhesion Modifier (Metal)	-	-	-	-	-	-	-	-	-	-
Adhesion Modifier (Glass)	-	-	-	-	-	-	UV-HV 8	UV-HV 8	-	-
Adhesion Modifier (other)	-	-	-	-	-	-	-	-	-	-
Accelerator (depth cure)	-	UV-B 1	UV-B 1	UV-B 1	-	-	UV-B 1	-	UV-B 1	UV-B 1
Accelerator (surface cure)	-	-	-	-	UV-B 3	-	-	-	-	-
Hardener	H 3	-	-	H 3	-	-	-	-	H 2	H 3
Varnish/Clear	LEDC 904	UVAR 904/910	UVBR 904	UVC 904/910	UVCP 910/904	UVFM 904/910	UVGL 904	UVGO 904/910	UVGX 904	UVK+ 904/910
Transparent Base	-	UVAR 409	UVBR 409	UVC 409	-	UVFM 409	UVGL 409	-	UVGX 409	UVK+ 904
Thickening Agent	UV-TA 1	STM	STM	STM, UV-TA 1	STM, UV-TA 1	-	-	-	UV-TA 1	STM
Levelling Agent	UV-VM	UV-VM	UV-VM	UV-VM	UV-VM	UV-VM	-	-	UV-VM	UV-VM
Cleaner	UR3, UR4, UV5	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4	UR 4, UR 5	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4	UR3, UR4, UV5	UR 3, UR 4

## Substrates

	Ultra Pack LEDC	Ultra Graph UVAR	Ultra Board UVBR	Ultra Pack UVC	Ultra Pack UVCP	Ultra Form UVFM	Ultra Glass UVGL	Ultra Glass UVGO	Ultra Pack UVGX	Ultra Pack UVK+
ABS/SAN		✓				✓				
Acrylic Glass (PMMA)						✓				
Anodised Aluminium							✓ 🔥 HV	✓ 🔥 HV		
Glass, Ceramics							✓ HV	✓ HV 🔥		
Metals							✓ 🔥 HV	✓ 🔥 HV		
Paper, corrugated Cardboard		✓	✓			✓				
PETG, PETA	✓ (PETG)	✓ (PETG)		✓ (PETG)		✓ (PETG)				
Polyacetal (POM)										
Polyamide (PA)				✓ H						
Polycarbonate (PC)	✓	✓		✓	✓	✓				
Polyester Foil, coated										
Polyethylene (PE), pre-treated	✓			✓	✓				✓	✓
Polypropylene (PP), pre-treated	✓	✓		✓	✓	✓			✓	✓
Polypropylene (PP), un-treated										
Polystyrene (PS)	✓	✓	✓	✓		✓			✓	
PVC, self-adhesive foil		✓	✓	✓		✓			✓	
PVC, rigid	✓	✓	✓	✓		✓			✓	
PVC, soft			✓							
Textiles, Cotton										
Textiles, Synthetics										
Thermosetting Plastics										
Traffic Sign Foil, retro-reflective										
Varnished Surfaces							✓ 🔥 HV	✓ 🔥 HV		
Wood										
Typical or additional Application	Container Printing, Label Printing (flatbed)	Graphic Screen Printing	Graphic Screen Printing	Container Printing, Label Printing (flatbed)	Container Printing	Vacuum formed parts, Backlit Signage	Packaging, Restaurant, and Flat Glass	Packaging, Restaurant, and Flat Glass	Graphic Screen Printing	Container Printing, Cartridges

✓ = suitable    ✓ = limited suitability    🔥 = pre-treatment by flame or Corona    🔥 = post-treatment by flame, hot air, or oven drying    H = with hardener    HV = adhesion modifier

# UV Inks

Product Information	Ultra Disc UVOD	Ultra Plus UVP	Ultra Mold UVPC	Ultra Pack UVPHR	Ultra RotaScreen UVRS	Ultra Star UVS	Ultra RotaScreen UVSF	Ultra Star-M UVSM	Ultra Graph UVSP	Ultra Switch UVSW
Ink System	UV	UV	UV	UV	UV	UV	UV	UV	UV	UV
Drying	very fast	fast	fast	very fast	very fast	fast	fast	fast	fast	fast
Degree of Gloss	high gloss	high gloss	glossy	high gloss	high gloss	high gloss	high gloss	matt	high gloss	glossy
Opacity	medium	medium	medium	medium	medium	medium	medium	medium	medium	medium
Outdoor Resistance	short-term	medium-term	medium	short-term	short-term	long-term	short-term	medium-term	medium-term	medium-term
Special Characteristics	optimized rheology	chemically resistant	formable	high-reactive	for rotary screen printing	universal use	silicone-free, for rotary screen printing	matt surface	very good print definition	flexible, can be embossed
Basic Shades	13	13	13	13	13	13	2	13	13	13
4-Clr Process	8	-	-	-	-	-	-	-	4	-
Others	16	3	3	4	6	3	5	4	5	5
Specials	Fluorescent Shades	Opaque White and Black	Opaque White and Black	Opaque White and Black	Opaque White, Relief Varnish	Opaque White and Black	Low-Migration Opaque White	Opaque Black	Opaque White and Black	Window Varnishes
<b>Auxiliaries</b>										
Thinner	UVV 1/2	UVV 2	UVV 5	UVV 3	UVV 5	UVV 2	UVV 5*	UVV 2	UVV 1/2	UVV 6
Thinner (more flexibility)	-	-	-	UVV 6	UVV 6	-	UVV 6*	-	-	-
Adhesion Modifier (Metal)	-	UV-HV 1/4	-	-	-	-	-	-	-	-
Adhesion Modifier (Glass)	-	UV-HV 7	-	-	-	-	-	-	-	-
Adhesion Modifier (other)	-	-	-	-	-	UV-HV 1/2/4	-	UV-HV 1/4	-	-
Accelerator (depth cure)	-	UV-B 1	UV-B 1	UV-B 1	-	UV-B 1	-	UV-B 1	UV-B 1	UV-B 1
Accelerator (surface cure)	-	-	-	-	-	UV-B 2	-	UV-B 2	-	-
Hardener	-	-	-	H 3	-	-	-	-	-	-
Varnish/Clear	UVOD 904/912/914	UVP 904	UVPC 910	UVPHR 910/904	UVRS 910/904	UVS 904	UVSF 910/904	UVSM 904	UVSP 904/910	UVSW 904
Transparent Base	UVOD 409	UVP 409	-	-	-	UVS 409	-	UVSM 409	UVSP 409	-
Thickening Agent	STM	STM	-	STM	STM	STM	STM	STM	STM	-
Levelling Agent	UV-VM	UV-VM	-	UV-VM	UV-VM	UV-VM	-	UV-VM	UV-VM	-
Cleaner	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4, UR 5	UR 3, UR 4, UR 5	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4
<b>Substrates</b>										
	Ultra Disc UVOD	Ultra Plus UVP	Ultra Mold UVPC	Ultra Pack UVPHR	Ultra RotaScreen UVRS	Ultra Star UVS	Ultra RotaScreen UVSF	Ultra Star-M UVSM	Ultra Graph UVSP	Ultra Switch UVSW
ABS/SAN		✓								
Acrylic Glass (PMMA)		✓ HV								
Anodised Aluminium		✓ HV								
Glass, Ceramics		✓ (Glass)								
Metals		✓ HV								
Paper, corrugated Cardboard					✓	✓	✓	✓	✓	
PETG, PETA		✓ HV		✓					✓ (PETG)	
Polyacetal (POM)										
Polyamide (PA)										
Polycarbonate (PC)	✓	✓	✓					✓	✓	✓
Polyester Foil, coated					✓	✓	✓			✓
Polyethylene (PE), pre-treated		✓ HV		✓	✓	✓	✓	✓ HV		
Polypropylene (PP), pre-treated		✓ HV		✓	✓	✓	✓	✓ HV		
Polypropylene (PP), un-treated										
Polystyrene (PS)		✓						✓	✓	
PVC, self-adhesive foil		✓			✓	✓	✓	✓		
PVC, rigid		✓				✓	✓	✓	✓	
PVC, soft						✓	✓			
Textiles, Cotton										
Textiles, Synthetics										
Thermosetting Plastics										
Traffic Sign Foil, retro-reflective										
Varnished Surfaces		✓ HV								
Wood										
Typical or additional Application	All Optical Disc Formats	Industrial Screen Printing	Inmould Application (second surface)	Container Printing	Label Printing	Graphic Screen Printing	Label Printing	Graphic Screen Printing	Graphic Screen Printing	Membran Switches

✓ = suitable    ✓ = limited suitability    💧 = pre-treatment with PLR    HV = adhesion modifier    \*not suitable for UVSF 174

# Solvent Based Inks

Product Information	Mara® Flex FX	Mara® Gloss GO	Mara® Glow GW	Mara® Cure HY	Libra Gloss LIG	Libra Matt LIM	Libra Print LIP	Libra Speed LIS	Mara® Chrome MC
Ink System	solvent, 1 C	solvent, 1 C	solvent, 1 C	solvent, 2C	solvent, 1 C	solvent, 1 C	solvent, 1 C	solvent, 1 C	solvent, 1 C
Drying	fast	medium	fast	very fast, hybrid	fast	fast	fast	very fast	medium
Degree of Gloss	satin gloss	glossy	matt	high gloss, satin gloss	glossy	matt	glossy	glossy	glossy
Opacity	medium	high	high	transparent	medium	high	medium	medium	medium
Outdoor Resistance	medium-term	medium-term	long-term	medium	medium-term	medium-term	medium-term	long-term	long-term
Special Characteristics	can be laminated	flexible ink film, vacuum formable	low-odour, long- and short-term phosphorescent	highest resistance	very mild, vacuum formable	matt ink film, low-odour	very good printability, vacuum formable	vacuum formable, blocking resistant	mirror ink for second surface
Basic Shades	17	21	3	-	21	17	17	21	2
4-Clr Process	-	-	-	-	4	-	4	4	-
Other	10	9	-	2	11	6	3	25	-
Specials	Metallic Mixing System, Offset Base	Fluorescent Shades	Long- and Short-Term Phosphorescents	HY 911/914	PANTONE® Basic Shades	Block-Out Silver, Offset Base	Higher Density 4Clr. Process, Flexible White	PANTONE®, High Fade Resistant Shades	Silver, Mirror Gold
<b>Auxiliaries</b>									
Thinner	UKV 1	QNV	UKV 2	PV	LIGV, UKV 2	UKV 2	UKV 2	UKV 1, UKV 2	PLR
Thinner, mild	UKV 2	-	-	-	PSV	-	PSV	PSV	-
Thinner, fast	-	7037	UKV 1	-	PSV	7037	PSV	7037	-
Retarder	SV 5	SV 1	SV 1	-	SV 1	SV 1	SV 5	SV 1	-
Retarder, slow	SV 10	SV 9	-	-	SV 9	SV 9	SV 10	SV 10	-
Retarder Paste	-	VP	-	-	VP	VP	VP	VP	-
Hardener	-	-	-	H 1	-	-	-	-	-
Hardener, fast	-	-	-	-	-	-	-	-	-
Varnish/Bronze Binder	FX 910/903/904	GO 910/902	GW 910/911	HY 911/914	LIG 910	LIM 910	LIP 910	LIS 910/911	-
Transparent Base	-	GO 409	-	-	LIG 409	LIM 409	LIP 409	LIS 409	-
Thickening Agent	-	-	-	-	-	-	-	-	-
Levelling Agent	-	ES	ES	-	ES	ES	ES	ES	-
Cleaner	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4	UR3, UR4, UR5	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4
<b>Substrates</b>									
ABS/SAN	✓		✓	✓	✓		✓	✓	
Acrylic Glass (PMMA)		✓	✓	✓	✓	✓	✓	✓	✓
Anodised Aluminium									
Glass, Ceramics									✓
Metals									
Paper, corrugated Board		✓	✓		✓	✓	✓	✓	
PETG, PETA		✓					✓ (PETG)		✓
Polyacetal (POM)									
Polyamide (PA)									
Polycarbonate (PC)		✓	✓	✓	✓	✓	✓	✓	✓
Polyester Foil, coated						✓			✓
Polyethylene (PE), pre-treated									
Polypropylene (PP), pre-treated									
Polypropylene (PP), un-treated									
Polystyrene (PS)			✓		✓	✓	✓	✓	
PVC, self-adhesive foil		✓	✓		✓	✓	✓	✓	
PVC, rigid	✓	✓	✓	✓	✓	✓	✓	✓	
PVC, soft		✓💧				✓💧	✓💧		
Textiles, Cotton									
Textiles, Synthetics									
Thermosetting Plastics									
Traffic Sign Foil, retro-reflective									
Varnished Surfaces									
Wood		✓			✓		✓		
Typical or additional Application	Identity Cards	Graphic Screen Printing	Glow-in-the-dark Applications	high resistant Automotive Varnishes	Graphic Screen Printing	Automotive	Graphic Screen Printing	Acrylic Signs, Backlit Signage	Displays and Glass Decoration

✓ = suitable    ✓ = limited suitability    💧 = pre-treatment with PLR    🔥 = post-treatment by flame, hot air, or oven drying

# Solvent Based Inks

Product Information	Mara® Glass MGHT	Mara® Glass MGL	Mara® Glass MG3C	Mara® Mold MPC	Mara® Switch MSW	Mara® Poly P	Mara® Plan PL	Mara® Prop PP	Mara® Pur PU
Ink System	solvent, 1C	solvent, 2 C	solvent, 2C	solvent, 1C/2C	solvent, 1 C	solvent, 2 C	solvent, 1 C	solvent, 1 C	solvent, 2 C
Drying	fast	fast	fast	fast	fast	fast	fast	medium	medium
Degree of Gloss	satin gloss	high gloss	glossy	satin gloss	satin gloss	high gloss	satin gloss	satin gloss	high gloss
Opacity	high	medium	very high	medium	high	high	high	medium	high
Outdoor Resistance	medium-term	-		medium-term	medium-term	long-term	long-term	medium-term	long-term
Special Characteristics	temperature-resistant	silicone-free, dishwasher resistant	high resistances	high temperature-resistant	flexible, can be embossed, mild odour	high alkaline resistance	plasticiser resistant	for un-treated PP	resistant to chemicals
Basic Shades	2	16	-	17	17	17	13	14	21
4-Clr Process	-	-	-	-	-	-	-	-	-
Other	1	22	5	2	12	1	3	3	5
Specials	1-Component-System for Glass	Etch Imitations, High-Opaque Shades, Metallics	Opaque White and Black, Deep Black	Press-ready Silver, Overprint Varnish	High-Opaque Shades	Overprint Varnish	Press-ready Silver and Gold	Opaque White, Opaque Black	Opaque White, Varnish with UV-Absorber
<b>Auxiliaries</b>									
Thinner	GLV	MGLV	MGLV	UKV 1	UKV 2	PV	PLV	UKV 1, QNV	PUV
Thinner, mild	-	-	-	-	UKV 2	-	-	-	-
Thinner, fast	-	-	-	-	-	-	7037	PPTPV	7037
Retarder	-	SV 11	SV 5/ SV 11	SV 1	SV 5	SV 5	-	SV 1	SV 5
Retarder, slow	SV 3	-	SV 12	SV 10	SV 10	SV 10	-	-	SV 1, SV 9
Retarder Paste	-	-	-	-	VP	-	-	-	-
Hardener	-	MGLH	MGLH, HT 1, UV-HV 7	H 1	-	H 1	-	-	H 1, HT 1
Hardener, fast	-	-	-	-	-	-	-	-	H 2
Varnish/Bronze Binder	MGHT 910	MGL 910	-	MPC 910	MSW 904	P 910	-	PP 902	PU 910/911
Transparent Base	-	-	-	-	-	-	-	PP 409	-
Thickening Agent	STM	-	-	-	-	-	-	-	-
Levelling Agent	ES	-	VM 1	-	ES	VM 2	-	ES	ES
Cleaner	UR 3, UR 4, UR 5	UR 3, UR 4	UR 3, UR 4, UR 5	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4
<b>Substrates</b>									
ABS/SAN					✓				
Acrylic Glass (PMMA)					✓				
Anodised Aluminium		✓ 💧							✓
Glass, Ceramics	✓	✓ 🔥	✓						
Metals		✓ 💧							✓ 💧
Paper, corrugated Board									
PETG, PETA					✓ (PETG)				
Polyacetal (POM)									
Polyamide (PA)						✓			✓ 🔥
Polycarbonate (PC)				✓	✓				
Polyester Foil, coated					✓				
Polyethylene (PE), pre-treated						✓			✓
Polypropylene (PP), pre-treated						✓		✓	✓
Polypropylene (PP), un-treated								✓	
Polystyrene (PS)					✓				
PVC, self-adhesive foil					✓				
PVC, rigid					✓	✓			
PVC, soft							✓ 💧		
Textiles, Cotton									
Textiles, Synthetics									
Thermosetting Plastics									
Traffic Sign Foil, retro-reflective									
Varnished Surfaces		✓ 💧				✓ 💧			✓ 💧
Wood									✓
Typical or additional Application	High-temperature Application	Glass, for Indoor Applications	for 3C Applications	Inmould Application (second surface)	Membran Switches	Bottle Crates made of PE/PP	Soft-PVC, Tarpaulins	Folders, Binders, and Banners	Metal Housings

✓ = suitable    ✓ = limited suitability    💧 = pre-treatment with PLR    🔥 = post-treatment by flame, hot air, or oven drying

# Solvent Based Inks

## Product Information



	Mara® Pol PY	Mara® Speed SL	Mara® Star SR	Mara® Flor TK	Mara® Sign TS	Mara® Poxy Y
Ink System	solvent, 1C/2C	solvent, 1 C	solvent, 1C/2C	solvent, 2 C	solvent, 2 C	solvent, 2 C
Drying	medium	very fast	very fast	fast	slow	fast
Degree of Gloss	high gloss	satin gloss	high gloss	matt	high gloss	glossy
Opacity	high	medium	high	high	transparent	high
Outdoor Resistance	medium-term	medium-term	long-term	medium-term	long-term	-
Special Characteristics	flexible ink film	blocking resistant, vacuum formable	resistant to petrol	high wash resistance	press-ready	high alkaline resistance
Basic Shades	21	21	21	17	5	12
4-Clr Process	-	-	-	-	-	-
Other	2	3	35	2	-	1
Specials	Opaque White	Press-ready Silver and Gold	PANTONE®, Transparent Shades, Metallics	Opaque White	-	Overprint Varnish
<b>Auxiliaries</b>						
Thinner	UKV 1	UKV 1, UKV 2	UKV 1	UKV 1	-	YV, UKV 1
Thinner, mild	UKV 2	PSV	UKV 2	UKV 2	-	-
Thinner, fast	7037	7037	7037	-	-	-
Retarder	SV 3	SV 5	SV 5, SV 1	SV 1	-	SV 5
Retarder, slow	SV 9	SV 10	SV 9, SV 10	-	-	SV 3
Retarder Paste	-	VP	VP	-	-	-
Hardener	H 1, HT 1	-	H 1	-	H 1	-
Hardener, fast	H 2	-	-	H 2	-	YH 9
Varnish/Bronze Binder	PY 910	SL 910	SR 910/911	TK 902	TS 902	Y 910
Transparent Base	-	SL 409	SR 409	-	-	-
Thickening Agent	-	-	-	STM	-	-
Levelling Agent	ES	ES	ES	-	-	VM 1
Cleaner	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4	UR 3, UR 4

## Substrates

	Mara® Pol PY	Mara® Speed SL	Mara® Star SR	Mara® Flor TK	Mara® Sign TS	Mara® Poxy Y
ABS/SAN	✓ H	✓	✓			
Acrylic Glass (PMMA)			✓			
Anodised Aluminium			✓ H			✓ H
Glass, Ceramics						
Metals	✓ H					
Paper, corrugated Board		✓	✓			
PETG, PETA	✓ H		✓ H			
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, self-adhesive foil		✓	✓			
PVC, rigid	✓	✓	✓			
PVC, soft						
Textiles, Cotton				✓		
Textiles, Synthetics				✓		
Thermosetting Plastics	✓ H		✓ H			✓
Traffic Sign Foil, retro-reflective					✓	
Varnished Surfaces	✓ H		✓ H			✓ H
Wood	✓		✓			
Typical or additional Application	Container Printing	Graphic Screen Printing	Container Printing	Sun Shades, Sun Blinds	Traffic Signs	Bottle Crates

Do you need  
technical support?

We will be glad to help you:  
Phone: +49(0) 7141-691-140  
technical.hotline@marabu.de

✓ = suitable    ✓ = limited suitability    H = with hardener    H = with hardener  
 = pre-treatment with PLR   
 = post-treatment by flame, hot air, or oven drying  
M 0117 D/GB/594100031