

SUITABILITY CHART: SOLVENT BASED SCREEN INKS - SUBSTRATES

Substrate	1-component											1 and 2-comp.				2-comp.							
	A	CP	CX	HG	J	LAB-N	PF	PK/PK-13	PP	RF/K	TL	XL	TZ	YN	ZE 1690	Z/PVC	TP 253/L	Z	Z/DD	Z/GL	ZM	ZMN	
	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3
	⊗					1							10:1	10:1	10:1	10:1	10:1	4:1	3:1	20:1	8:1	4:1	Hardener Addition
Paper, Cardboard, Carton		●	●	●		●					●												
Plasticized PVC		●	●	●	●		●		●	●	●	●				●							
Rigid PVC	●	●	●	●	●		●		●	●	●	●	●		●								
Polystyrene		●	●	●	○		●		●		●		●										
ABS, SAN		●		●			●				●		●		●		●			●	●		
Polycarbonate (PC)		●	●	●	●		●		●	●	●	●	●		●		●	●		●	●		
Acrylic Glass (PMMA)	●	●	●	●	●		●		●	●	●	●	●		●		●			●	●		
Polyester Foil (with ink adhesion primer) for membrane switch overlays				●	●						○												
Polyester (PET)*				○	○	●							●				●	●					
PET-G**		○		○							●												
Polyamide (PA) (flame pre-treatment recommended)						●						●	●				●					●	
Polypropylene (PP) pre-treated						●		●					●		●		●	●		●	●		
Polyethylene (PE) pre-treated																							
Polypropylene (PP) (without pre-treatment)								●															
Polyacetal (POM) (post-treatment by flame required)													●				●			●	○		
Polyurethane (PUR)*				○	○							●		●									
Silicone Rubber																●							
TPE/TPU*, Rubber, Artificial Leather**												●		●									
Duroplastics	●				●								●				●	●	●				
Textiles*, Leather*												●		●									
Metals	○				●								●				●	●	●	●	●	●	●
Coated Surfaces*	●		●	●	●	●										●	●					●	
Glass																					●		
Wood	●												●										

* material is available in many quite different types
** material may be very sensitive to tension cracks

● preferred for the application
● suitable
○ may be suitable

1 One component
2 One and two component
3 Two component
1 Oven curing 140 °C / 20 min.
2 Oven curing 160 °C / 20 min.
⊗ Oxidative drying

This information is no guarantee for the suitability of screen printing inks for certain substrates but is intended to help the user to choose suitable ink types. Pre tests are always necessary. This information is based on our present experiences (December 2012).