

Pad Printing Inks

Ink Ranges	TP 212	TP 249	TP 272	TP 287	TPI	TP/PP	TP 247	TP 253	TP 273	TP 300	TP 305	TP 313	TP 340	TP 400	TP/E-HF	TP 218	TP 218/GL	TP 253 L	TP 260	TP 307	TP/UV-K	TP/UV-R	TP/UV-P	TP/UV-D
Addition of Hardener	□	□	□	□	□	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣
Drying	1	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	2	▲	▲	▲	▲	▲	▲	▲
ABS, SAN		●	●	●		●		○	○	●	●	○	●	●					●			●	●	
Polystyrene (PS)	●	●	●	○							●	○	●						○	○	○	●	○	
Polycarbonate (PC)	●	●	●	○				●		●	●	●	●					○	●	●	●	●	●	
Acrylic Glass (PMMA)	●	●	●			●		●		●	●	●	●	●				●	●	○		○	○	
PVC rigid	●	●	●	●		●		●	●	●	●	○	●						○		○	●	○	
PVC plasticized		○	●			●		●		○	●													
Polyamide (PA)								2	2		2	2	2	2	●							●		
with pre-treatment Polypropylene (PP)						2		2	2	2	2	2	2	●				●	●					
Polyethylene (PE)																								
without pre-treatment Polypropylene (PP)				●																				
Polyacetal (POM) post-treatment required								2			2	2		●				●						
Polyester								2		2	2	2	2	●				●			●			
Polyurethane (PUR)						●	●	●	2		2			●				●	●				●	
TPE/TPU, Synthetic Leather, Rubber						2	2																	
Silicone Rubber																	●							
Duroplastics	●							2				2		●	●			●		●	●	●	●	
Glass																●				○				
Metals	●							2	●		2	2		●	●			●	●	●				
Coated Surfaces	●		○	●		●	●	●	●	●		2	●	●				●	●		●	●	●	
Leather, Textiles						●																		
Wood		●						●	●		●													

- = preferred for the application
- 2 = processing with hardener required
- = suitable for the application
- 2 = processing with hardener required
- = potentially suitable

The information given above is no guarantee for the suitability of pad printing inks for individual substrates. The intention of this chart is to help printers choose suitable pad printing inks. Pre-tests are always essential. This information is based on our present experiences 08/2017

- ✓ = Does not contain: aromatics, cyclohexanone, butyl glycolate, PAH, Solvent Naphtha
- ✓* = In addition: free of halogens according to DIN EN 61249-2-21
- = 1 - component ink
- ▣ = processing as 1- and 2- component ink
- = 2 - component ink
- ▲ = air-drying
- 1 = oven-curing at 140°C/20Min
- 2 = oven-curing at 160°C/20Min
- = UV-curing

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