

Water-based screen printing inks for industrial, graphic and textile screen printing



This chart assists in the selection of suited water-based ink systems and auxiliaries.
For further information please see the corresponding Technical Information.

| | | AquaCell® SG* | Aqua-Jet® WBI */** | Aqua-Jet® KF */** | AquaTex C */** |
|---------------------|-------------------------|----------------|------------------------|------------------------|--|
| Substrates | Cotton, Linen | | ▲ | | ■ |
| | Cotton mix | | ▲ | | ■ |
| | Synthetics | | | | ▲ |
| | Acrylics | | | ▲ | |
| | PVC rigid | | ■ | ■ | |
| | PVC plasticised | | ■ | ▲ (1) | |
| | Polystyrene, ABS, SAN | | | ▲ (2) | |
| | Polycarbonate | | ▲ | ▲ | |
| | Polyester pre-treated | | ▲ | ▲ | |
| | Polyolefins pre-treated | | ▲ | ▲ | |
| | Paper, Cardboard | ■ | ■ | ■ | |
| | Wood | ■ | ■ | ■ | |
| | Drying | physically | ✓ | ✓ | ✓ |
| physically-reactive | | | ✓ | ✓ | ✓ |
| Finish | | satin gloss | satin gloss | satin gloss | |
| Outdoor resistance | | short term | ✓ | ✓ | |
| Auxiliaries | Defoamer | 1 % 9331 | 1 % L 54131 | 1 % L 36273 | |
| | Thinner | 10 % Water | 10 % Water | 5 – 10 % Water | 3 – 5 % Water 3 – 5 % AquaTex Thinner |
| | Retarder | | | | |
| | VZ 100 | nicht geeignet | max. 5 % | max. 5 % | max. 5 % |
| | L 47716 | max. 20 % | max. 20 % | max. 20 % | max. 20 % |
| | Crosslinker | | 2 % Crosslinker WB 001 | 2 % Crosslinker WB 001 | 2 % Crosslinker WB 001 |

- ✓ = applicable
- = basically suited
- ▲ = can be suited (pretests required)
- * = One-Component Ink
- ** = Two-Component Ink

- (1) = Not to be used for printing on soft PVC or plastics containing high amounts of plasticizers.
- (2) = Addition of crosslinker may impair the adhesion.

Important: Printing results, to a large extent, depend on the substrate as well as the conditions of use. We recommend checking your substrate under your printing conditions before performing any production runs. Materials that are supposed to be identical may vary from manufacturer to manufacturer and even from batch to batch. Some substrates may have been treated with sliding agents, antistatic or other additives which can impair the adhesion of inks.