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FABRIC SEALER G

Transparent Water-based Sealer for the Prevention of Fabric Dye Migration

| Type | Chemical Composition | Supplied Form | Ionicity | pH |
|-------------|----------------------|----------------------------------|----------|----|
| XF Sealer G | Polymer blend | High viscosity translucent paste | Anionic | >7 |

Properties

XF Sealer G is a proprietary blend of polymers that can provide excellent barrier against dye migration from the fabric into the print. The problem with the migration of dye can be quite serious and can cause white inks to appear pink on red fabric or grey (even red) on black fabric. Some suppliers of inks have formulated sealers with activated carbon to absorb the migrant dye and have been moderately successful. However, these sealers are black in colour (due to the carbon content) and are not quite elastic. Consequently, many other problems arise from the use of these carbon-based sealers even though the problem of dye migration is minimised. The XF Sealer G is formulated to capture migrant dye molecules and yet it is extremely transparent, soft and elastic. The XF Sealer G represents a breakthrough in terms of screen-printing ink technology and is used worldwide for highly 'sensitive' fabric for many top brands.

Application Procedure

Mix XF Sealer G with 1-2% Silkflex crosslinker and print one to two coats directly onto cotton, polyester or blends of these two types of fibres. Print Premium Rubber White/Clear or Nylon White/Clear or other suitable inks directly onto the XF Sealer G. Allow the print to air dry for 4-6 hours. Apply hotpress or oven curing at ~150°C. Mix additional 1-3% of Nylon Oxal into the XF Sealer G (together with Silkflex Crosslinker) for pure nylon or other difficult fabric. The mixture with Nylon Oxal is reactive and has a potlife of about 24 hours. Silkflex Crosslinker helps capture migrant dye by forming an extensive chemical network in the print. Nylon Oxal is used as an adhesion promoter on difficult substrate.

Storage

Do not exceed one year from date of manufacture. Protect from frost (>5°C). Keep lids tightly closed at all times after use.