

ELASTISOL FABRIC SEALER EFS-185

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

Type	Chemical Composition	Supplied Form	Ionicity	pH
Elastisol Fabric Sealer EFS-185	Polymer blend	High viscosity translucent paste	Anionic	>7

Properties

Elastisol Fabric Sealer EFS-185 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 grey in colour 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. Elastisol Fabric Sealer EFS-185 is formulated to capture migrant dye molecules and yet it is extremely transparent, soft and elastic. The Elastisol Fabric Sealer EFS-185 represents a breakthrough in terms of screenprinting ink technology and is used worldwide for highly 'sensitive' fabric for many top brands.

Application Procedure

Mix Elastisol Fabric Sealer EFS-185 with 1-2% Silkflex Crosslinker and print one to two coats directly onto cotton, polyester or blends of these two types of fibres. Print Silkflex Premium Rubber White/Clear or Silkflex Nylon White/Clear or other suitable inks directly onto the Elastisol Fabric Sealer EFS-185. Allow the print to air dry for 4-6 hours. Apply hotpress or oven curing at ~150°C. Mix additional 1-3% of Silkflex Part B into the Elastisol Fabric Sealer EFS-185 (together with Silkflex Crosslinker) for pure nylon or other difficult fabric. The mixture with Part B 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. Silkflex Part B 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.