



#6918 DF Solar Shield Clear

UV Curable Screen Prints and Roller Coat Inks

Polymeric has developed a non-yellowing Solar Shield Clear to protect overprinted colors from sunlight exposure. This clear contains UV inhibitors effective in preventing pigments from fading. Duraflex Solar Shield Clear, when overprinted on standard DF colors, will endure 5 years of direct sun and element exposure without cracking, peeling or fading. DF Solar Shield was printed on .010 polycarbonate and 2.5 mil, five (5) year flexible white vinyl, through a 280 plain weave mesh. Both were cured with a 600 watt per inch Fusion D bulb at 60 feet per minute.

Solvent & Chemical Resistance

Duraflex Solar Shield Clear shows acceptable resistance at the conclusion of 12 hour watch glass tests with 5mm drops of the following solvents

- MEK
- Acetone
- Ether
- IPA
- Heptane
- Lacquer Thinner
- Starting Fluid
- Vinyl Acetate Buytcel

Cure Parameters

1-200 watt per inch medium pressure mercury vapor lamp with a Mj output of at least 225

Mesh

280-355 (110-140 cm) plain weave

Squeegee

Sharp 80 durometer polyurethane blade

Mixing

The Solar Shield Clear is supplied at print-ready viscosity and can be used directly from the container. Thinning is not recommended.

Storage

Care should be taken to store ink in tightly closed containers located in a cool (60-80°F/15-27°C) dark place. With suitable conditions, unopened ink is expected to have a shelf life of approximately twelve (12) months from date of manufacture, six (6) months for white inks.

Precautions

Read the safety data sheet prior to processing. It contains instructions for precautions to be taken when handling inks. If ink comes in contact with skin wipe off with a clean, dry cloth (do not use solvent). Wash and rinse the affected areas with soap and water

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