

**SILKBOND 35**

Highly-Effective Environment-Friendly Modified Acrylic Binder for Textile Printing

Type	Chemical Composition	Supplied Form	Ionicity	pH
Silkbond 35	Modified Acrylic	Medium viscosity translucent liquid	Anionic	7-8

**Properties**

Silkbond 35 is a self-crosslinking modified acrylic emulsion polymer that is used for the manufacture of printing paste for textile screen printing. Silkbond 35 is extremely effective (very low dosage possible), transparent, durable, stable (non gelling with black and other pigments) and provides prints with excellent colour development, flexibility and brilliance. It is free of organic solvents, heavy metals, polyvinyl chloride (P.V.C.) and formaldehyde (heat cure at 160°C for 2 min.). Silkbond 35 is compatible with kerosene, mineral spirits and other conventional organic solvents as well as melamine-formaldehyde fixers, most emulsifiers and wetting agents.

**Application Procedure**

Silkbond 35 is used in combination with other chemicals for the manufacture of printing paste. A guide formula of the printing paste is provided below:

Silkbond 35	15.0
Ammonia	0.88
Silkflex Emulsifier/Wetting Agent	0.30
Kerosene/Mineral spirits	10.0
Water	70.88
Silkflex Thickener	2.94

Add 1% Silkflex Fixer into the printing paste prior to printing if necessary.

This printing paste is suitable for manual and machine silkscreen prints with screen mesh sizes of 100-135. Do not add more than 5% of Silkflex colour pigments into the printing paste for all colours. Please ensure that only high quality and environment-friendly Silkflex pigments are used at all times in order to ensure performance consistency. The prints are fully cured at 160°C for ~2 min. in the oven.

**Storage**

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