



SILKFLEX POLYMERS SDN BHD (545022-T)

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SILKFLEX AQUAFOIL GOLD/SILVER/CLEAR

Ready Made Screen Printing Inks for Metallic Foil Effect

Type	Chemical Composition	Supplied Form	Ionicity	pH
Aquafoil Gold	Binder concentrate with coated titanium dioxide	High viscosity golden paste	Anionic	>7
Aquafoil Silver	Binder concentrate with coated titanium dioxide	High viscosity silver paste	Anionic	>7
Aquafoil Clear	Binder concentrate with coated titanium dioxide	High viscosity translucent silver paste	Anionic	>7

Properties

Aquafoil Gold/Silver/Clear are formulated to provide premium elastic metallic foil-like prints on cotton-based and cotton-polyester blend fabric. Aquafoil Gold/Silver/Clear can be printed directly onto the fabric or on top of Silkflex white rubber base print for dark coloured fabric. In order to obtain multicoloured metallic foil-like prints, Silkflex colour pigments can be added into Aquafoil Clear. Prints with Aquafoil Gold/Silver/Clear are extremely soft, elastic and free of formaldehyde, banned amines, polyvinyl chloride, phthalate and polyaromatic solvents (but contain small amounts of tin dioxide).

Application Procedure

Print Aquafoil Gold/Silver/Clear directly onto the fabric or on top of Silkflex white rubber inks for dark coloured fabric. Unlike regular foil prints which can become detached from the surface of the glue during washing, prints with Aquafoil Gold/Silver/Clear are very durable and extremely soft. Aquafoil Gold/Silver/Clear are suitable for silkscreen prints with screen mesh sizes of 100-120. After ambient drying, the prints are fully cured at 140°C for 2 min. or heatpress at 135°C for 10 s. For a smoother and more foil-like appearance, heat press with a layer of gloss paper in direct contact with the print, after which the paper is removed after cooling. Conduct evaluation of the prints 24 hours after heat curing. For direct prints on polyester fabric, please add 3-5% of Nylon Oxal into Aquafoil Gold/Silver/Clear (or to the white rubber base) to improve adhesion. Mixture with Nylon Oxal will provide a potlife of ~8 hours.

Storage

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