



# SILKFLEX POLYMERS SDN BHD (545022-T)

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## ELASTISOL WHITE/CLEAR S MATT

Water-based Highly Elastic Binder Paste for Extremely Fine Machine Silkscreen Printing

Type	Chemical Composition	Supplied Form	Ionicity	pH
Elastisol White S Matt	Titanium dioxide + binder	High viscosity white paste	Anionic	>7
Elastisol Clear S Matt	Binder concentrate	High viscosity pale yellow paste	Anionic	>7

### Properties

Elastisol White/Clear S Matt are formulated to be suitable for silkscreen machine printing and regular table printing with screen mesh sizes of up to 200 for cotton and polyester-based type of fabric. In cases where there are very high demands on wash fastness, Nylon Oxal can be added. Prints with Elastisol White/Clear S Matt are soft, smooth, extremely fine, matt (low gross) and highly elastic by design. Elastisol White/Clear S Matt pastes are environmental friendly and are free from conventional toxins including formaldehyde, azo, APEO, polyvinyl chloride (P.V.C.) and phthalates. A copy of our warranty letter is available upon request

**Elastisol White S Matt** – Highly opaque and elastic with brilliant white tone. Suitable for prints on dark fabric.

**Elastisol Clear S Matt** - Transparent and elastic. Suitable for colour prints on white and light colour fabric. Well suited for process and tone colour prints. Elastisol Clear S Matt can be mixed with Elastisol White S Matt in any proportions as per requirement.

### Application Procedure

It is important to ensure that the colour pigments that are added to Elastisol White/Clear S Matt pastes do not affect (or reduce) the optimum supplied viscosity of the said pastes. In cases where the colour pigments are of low viscosity, add Thickener to the said colour pigment to increase viscosity before adding it to the Elastisol White/Clear S Matt pastes. Pastes that are of low viscosity do not permit high quality prints through fine mesh screens. Elastisol White/Clear S Matt are thixotropic and can become more viscous when left standing for prolonged periods of time. However, the viscosity will reduce with stirring or agitation during the usual process of printing. Elastisol White/Clear S Matt are suitable for silkscreen prints with screen mesh sizes of up to 200. It is possible to use Elastisol Clear S Matt for wet-on-wet machine silkscreen prints. However, it is advisable to flash cure Elastisol White S Matt for base prints on dark fabric. It is imperative to cure the prints for ~2 min. at 160°C to achieve complete curing. Always evaluate prints at least 24 hours after heat cure.

### Storage

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