



SILKFLEX POLYMERS SDN BHD (545022-T)

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ELASTISOL WHITE / CLEAR M/C

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

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

Properties

Elastisol White M/C / Clear M/C are formulated to be suitable for silkscreen machine printing with screen mesh sizes of up to 3050 for cotton and polyester-based type of fabric. In cases where there are very high demands on wash fastness, Fixer can be added. Prints with Elastisol are smooth, extremely fine, matt (low gloss) and highly elastic by design. Elastisol pastes are environmental friendly and are free from conventional toxins including polyvinyl chloride (P.V.C.) A copy of our warranty letter is available upon request. Elastisol is different as compared to Aquasol because the former provides a more elastic and 'rubbery' feel as compared to the latter. Prints with Aquasol are firmer, smoother and lower in tack as compared to Elastisol.

Elastisol White M/C – Highly opaque and elastic with brilliant white tone. Suitable for prints on dark fabric.

Elastisol Clear M/C – Transparent and elastic. Suitable for colour prints on white and light colour fabric. Well suited for process and tone colour prints. Elastisol Clear M/C can be mixed with Elastisol White M/C in any proportions as per requirement.

Application Procedure

It is important to ensure that the colour pigments that are added to Elastisol 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 pastes. Pastes that are of low viscosity do not permit high quality prints through fine mesh screens. Elastisol White M/C /Clear M/C 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 M/C /Clear M/C are suitable for silkscreen prints with screen mesh sizes of up to 3050. It is possible to use Elastisol Clear M/C for wet-on-wet machine silkscreen prints. However, it is advisable to flash cure Elastisol White M/C for base prints on dark fabric. It is imperative to cure the prints for ~2 min. at 160°C to achieve complete curing.

Storage

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