

AQUASOL AQUAPLAS WHITE/CLEAR XM

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

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

Properties

Aquasol Aquaplas White/Clear XM are formulated to be suitable for silkscreen machine printing and regular table printing with screen mesh sizes of up to 250 for cotton and polyester-based type of fabric. In cases where there are very high demands on wash fastness, Aquasol Crosslinker can be added. Prints with Aquasol Aquaplas White/Clear XM are soft, smooth, extremely fine, matt (low gloss) and highly elastic by design. Aquasol Aquaplas White/Clear XM 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

Aquasol Aquaplas White XM - Highly opaque and elastic with brilliant white tone. Suitable for prints on dark fabric.

Aquasol Aquaplas Clear XM - Transparent and elastic. Suitable for colour prints on white and light colour fabric. Well suited for process and tone colour prints. Aquasol Aquaplas Clear XM can be mixed with Aquasol Aquaplas White XM in any proportion as per requirement.

Application Procedure

It is important to ensure that the colour pigments that are added to Aquasol Aquaplas White/Clear XM pastes do not significantly affect (or reduce) the optimum supplied viscosity of the said pastes. In cases where the colour pigments are of very low viscosity, add Aquasol Thickener to the said colour pigment to increase viscosity before adding it to the Aquasol Aquaplas White/Clear XM pastes. Pastes that are of low viscosity do not permit high quality prints through fine mesh screens. Aquasol Aquaplas White/Clear XM 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. Aquasol Aquaplas White/Clear XM are suitable for silkscreen prints with screen mesh sizes of up to 250. It is possible to use Aquasol Aquaplas Clear XM for wet-on-wet machine silkscreen prints. However, it is advisable to flash cure the Aquasol Aquaplas White XM for base prints on dark fabric. It is imperative to cure the prints for ~2 min. at 135°C (print surface temperature) to achieve complete curing. The addition of 3-5% of Aquasol Fixer NF is required for prints on polyester fabric. The mixture with Aquasol Fixer NF 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.



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