

HIGH DENSITY WHITE/CLEAR

Water-based Binder Paste for Flexible High-Density/High-Build Silkscreen Printing

Type	Chemical Composition	Supplied Form	Ionicity	pH
High Density White	Titanium dioxide + binder	High viscosity white paste	Anionic	>7
High Density Clear	Bulking agent + binder	High viscosity off-white paste	Anionic	>7

Properties

High Density White / Clear is formulated to provide flexible high-density prints on cotton and polyester-based fabric without the use of conventional foaming agents. In cases where high-density prints are required on nylon fabric, a coat of EcoNylon White/Clear is first used as primer. High Density White/Clear is environmental friendly and is free from conventional toxins including polyvinyl chloride (P.V.C.) A copy of our warranty letter is available upon request. Unlike conventional foam prints, High Density White/Clear provides prints that are highly durable and with excellent resolution (sharpness).

Application Procedure

It is important to ensure that the colour pigments that are added to High Density White / Clear paste do not affect (or reduce) the optimum supplied viscosity of the said paste. 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 High Density White/Clear paste. Pastes that are of low viscosity do not allow for premium quality high-density prints. High Density White can be mixed with High Density Clear at any ratio according to requirement. High Density White / Clear is 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. High Density White / Clear is suitable for silkscreen prints with screen mesh sizes of ~100-120. Prolonged heating of High Density White / Clear at high temperatures can promote yellowing of the high-density prints. Consequently, curing the print at ~100-120 °C for ~ 2 min. is optimum.

Storage

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