

AQUASOL DISCHARGE WHITE/CLEAR NF

Water-based Binder Paste for Impressionist Silkscreen Printing

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

Properties

Aquasol Discharge White/Clear NF are formulated for screenprinting on cotton-based fabric to create the 'discharge effect'. Aquasol Discharge White/Clear NF absorbs deep into the fibres and when fully cured do not affect the feel of the fabric. Hence, you can achieve a fully breathable print on cotton and retain the texture and handfeel of the original fabric. Prints with Aquasol Discharge White/Clear NF are not designed to be as bright and brilliant as rubber inks because emphasis is on the handfeel. Hence, Aquasol Discharge White/Clear NF is most suitable for prints that provide the 'antique' or 'rugged' look. Of course, Aquasol Discharge White/Clear NF can be used with Aquasol rubber inks in order to achieve the best combination between 'ruggedness' and brilliance. Unlike conventional discharge inks, Aquasol Discharge White/Clear NF is non-toxic and is completely free of formaldehyde, heavy metals, azo and other toxic materials.

Aquasol Discharge White NF – Opaque and flexible with white tone. Suitable for prints on dark fabric.

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

Application Procedure

Aquasol Discharge White/Clear NF 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 Discharge White/Clear NF are suitable for silkscreen prints with screen mesh sizes of up to 1800. Mix in the appropriate colourants directly into Aquasol Discharge White/Clear NF and print directly onto fabric. Leave the prints to air dry for 4-6 hours before heat curing. Aquasol Fixer NF (1-3%) can be added if better wash fastness is required. Curing can be carried out by using an oven (150°C for 2 min.) or hotpress (180°C for 10 s.).

Storage

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