

AQUASOL AQUAPRENE WHITE / CLEAR (SD)

Non-toxic Extremely Elastic Polyurethane Copolymer Rubber Ink for Textile Silkscreen Printing

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

Properties

Aquasol Aquaprene White / Clear (SD) are formulated to be suitable for elastic silkscreen prints on cotton and polyester-cotton blend fabric. Aquasol Fixer NF, which is a formaldehyde-free fixer, can be added if required. The Aquasol Aquaprene White / Clear (SD) provides a satin finish with exceptional softness, elasticity, smoothness and handfeel. In addition, the prints are tack free and provide good anti-block properties (no face-to-face sticky transfer of inks). The Aquasol Aquaprene White / Clear (SD) are also environment compliant and free of the following chemicals;

1. Formaldehyde
2. Azo
3. Poly vinyl chloride (PVC)
4. All Phthalates
5. Alkyl phenol ethoxylate (APEO)
6. Aromatic solvents
7. Heavy metals

The Aquasol Aquaprene White / Clear (SD) grades differ in terms of opacity and are used based on the required colours of the print and of the fabric.

Aquasol Aquaprene White (SD) – Highly opaque and highly elastic with brilliant white tone. Suitable for prints on dark fabric.

Aquasol Aquaprene Clear (SD) - Transparent and highly elastic. Suitable to be used in combination with Aquasol Aquaprene White SD for colour prints. Suitable to be used for tone and process printing.

Application Procedure

Aquasol Aquaprene White / Clear (SD) 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. Small amounts of clean water can be added to reduce viscosity if necessary. Aquasol Aquaprene White / Clear (SD) are suitable for silkscreen prints with screen mesh sizes of 1000-1300. For finer screen prints (1500-2000) the addition of Aquasol Humidifier is recommended to slow down the drying process. After drying, the prints are fully cured at 150°C for ~2 min. or heatpress at 135°C for 10 s. Aquasol Fixer NF can be added at 1-3% to further improve wash/colour fastness if necessary.

Storage

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