

AQUASOL AQUAPLAS GEO WHITE/CLEAR

Acrylic Copolymer Rubber Ink for Textile Silkscreen Printing

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

Properties

Aquasol Aquaplas Geo White/Clear is 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 Aquaplas Geo White/Clear provides a matt 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 Aquaplas Geo White/Clear is 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 Aquaplas Geo White/Clear grades differ in terms of opacity and are used based on the required colours of the print and of the fabric.

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

Aquasol Aquaplas Geo Clear - Transparent and highly elastic. Suitable to be used in combination with Aquasol Aquaplas Geo White for colour prints. Suitable to be used for tone and process printing.

Application Procedure

Aquasol Aquaplas Geo 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. Small amounts of clean water can be added to reduce viscosity if necessary. Aquasol Aquaplas Geo White/Clear is suitable for silkscreen prints with screen mesh sizes of 100-130. For finer screen prints (150-200) 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.