

AQUASOL AQUAPLAS WHITE/CLEAR S (NEW)

Non-toxic Extremely Elastic Ink for Textile Silkscreen Photoprint on Machine

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

Properties

Aquasol Aquaplas White/Clear S (New) is formulated to be suitable for highly elastic and extremely fine tone photoprint on cotton and polyester-cotton blend fabric. Aquasol Cross Fixer, which is a formaldehyde-free fixer, can be added if required. The Aquasol Aquaplas White/Clear S (New) 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 White/Clear S (New) 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 White/Clear S (New) grades differ in terms of opacity and are used based on the required colours of the print and of the fabric.

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

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

Application Procedure

Aquasol Aquaplas White/Clear S (New) 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 White/Clear S (New) is suitable for silkscreen prints with screen mesh sizes of 120-300. After drying, the prints are fully cured at 160°C for ~2 min. or heatpress at 160°C for 10 s. Aquasol Cross Fixer can be added at 1-3% to further improve wash/colour fastness if necessary. Always evaluate the print at least 24 hours after heat cure.

Storage

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