

AQUASOL ECOCRACK WHITE/CLEAR

Water-based eco friendly soft auto-crack silkscreen inks for textile

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

Properties

Aquasol EcoCrack White/Clear is formulated to be suitable for crack effect 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 EcoCrack White/Clear provides an auto-crack finish with excellent softness, elasticity, smoothness, handfeel and wash fastness. In addition, the prints are tack free and provide good anti-block properties (no face-to-face sticky transfer of inks). The Aquasol EcoCrack 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 EcoCrack White/Clear grades differ in terms of opacity and are used based on the required colours of the print and of the fabric.

Aquasol EcoCrack White – Highly opaque and soft handfeel with brilliant white tone. Suitable for prints on dark fabric.

Aquasol EcoCrack Clear - Transparent and soft handfeel. Suitable to be used in combination with Silkflex AquaCrack White for coloured crack prints.

Application Procedure

Print one coat of Aquasol EcoCrack Base and after drying, print one or more coats of Aquasol EcoCrack White/Clear on top. Thicker prints (more coats) will effect larger cracks. Dry the print completely with a hairdryer to initiate and complete the auto-cracking effect. Aquasol EcoCrack 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 EcoCrack White/Clear is suitable for silkscreen prints with screen mesh sizes of 100-120. 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

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

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