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ELASTISOL WHITE/CLEAR XM

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

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

Properties

Elastisol White/Clear XM is formulated to be suitable for highly elastic and extremely fine tone photoprint on cotton and polyester-cotton blend fabric. Nylon Oxal, which is a formaldehyde-free fixer, can be added if required. The Elastisol White/Clear XM 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 Elastisol White/Clear XM 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 Elastisol White/Clear XM grades differ in terms of opacity and are used based on the required colours of the print and of the fabric.

Elastisol White XM - Highly opaque and highly elastic with brilliant white tone. Suitable for prints on dark fabric.

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

Application Procedure

Elastisol White/Clear XM 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. Elastisol White/Clear XM 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. Nylon Oxal 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.