



SILKFLEX POLYMERS SDN BHD (545022-T)

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SILKFLEX PREMIUM RUBBER WHITE/CLEAR XM

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

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

Properties

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

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

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

Application Procedure

Premium Rubber 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. Premium Rubber White/Clear XM is suitable for silkscreen prints with screen mesh sizes of 1000-1300. For finer screen prints (1500-2000) the addition of 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. Nylon Oxal 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.