

**SILKFLEX MATTING PASTE SMP-224**

Eco-friendly Acrylic-based Matting Paste Concentrate

Type	Chemical Composition	Supplied Form	Ionicity	pH
Silkflex Matting Paste SMP-224	Silicate concentrate	High viscosity white paste	Anionic	>7

**Properties**

Silkflex Matting Paste SMP-224 is a matting concentrate which can be added into Silkflex textile inks and printing paste to reduce gloss. Silkflex Matting Paste SMP-224 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 Silkflex Matting Paste SMP-224 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

**Application Procedure**

Silkflex Matting Paste SMP-224 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. Silkflex Matting Paste SMP-224 can be added into Silkflex ink to make it more matt and it is suitable for silkscreen prints with screen mesh sizes of 1000-1300. For finer screen prints (1500-2000) the addition of Silkflex Retarder 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. Silkflex Matting Paste SMP-224 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.