



# SILKFLEX POLYMERS SDN BHD (545022-T)

No.98, (Lot 9115), Jalan Tengah KS10 Telok Gong,  
42000 Pelabuhan Klang, Selangor Darul Ehsan, Malaysia  
Tel: +6-03-31341702 / 1703 / 1260 Fax: +6-03-3134 1670  
Email : silkflexpolymers@hotmail.com  
Website : www.silkflex.com.my  
GST Reg. No.: 000094011392

## SILICON WHITE/CLEAR MATT

Water-based Extremely Elastic and Matt Silicon Effect Ink for Textile Silkscreen Printing

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

### Properties

Silicon White/Clear Matt are formulated to be suitable for highly elastic high gloss silkscreen prints on cotton and cotton-polyester mixed fabric without the addition of conventional fixers. Nylon Oxal can be added if required. The Silicon White/Clear Matt series provides excellent matt finish and transparency (clear) with excellent handfeel and elasticity. The Silkflex Silicon White/Clear Matt 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 Silicon White/Clear Matt grades differ in terms of opacity and are used based on the required colours of the print and of the fabric.

**Silicon White Matt** – Highly opaque and elastic with matt brilliant white tone. Suitable for prints on dark fabric.

**Silicon Clear Matt** – Extremely transparent, highly elastic and matt finish. Suitable for colour prints on white and light colour fabric. Well suited for process and tone colour prints. Suitable for glitter, pearl, metallic and other special effect prints.

### Application Procedure

Silicon White/Clear Matt are 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. Silicon White/Clear Matt are suitable for silkscreen prints with screen mesh size of 100-120. For finer screen prints (150-200) the addition of Humidifier is recommended to reduce potential clogging of the screen. After drying, the prints are fully cured at 135°C for ~2 min. Evaluate the prints 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.