



## MagnaPrint® Screen Emulsion

### General Characteristics

- Red pure photopolymer direct emulsion, resistant to water-based, plastisol and discharge inks without catalyst.
- Outstanding abrasion and humidity resistance
- Excellent print definition on any mesh
- 45% solid content
- Exposes four times faster than a diazo or dual-cure emulsion

### Directions for Use

Handle under yellow safelight or low wattage tungsten lights. Avoid exposure to daylight, quartz/halogen lamps, cool white fluorescent lamps or discharge lamps.

**Sensitising and Mixing** - MagnaPrint® Screen Emulsion is pre-sensitised during production and does not require mixing.

**Mesh Preparation and Degreasing** - Degrease and abrade new mesh with MagnaPrint® Screen Preparation in order to optimise stencil adhesion, dry and store screen in a dust free and dry environment prior to coating.

**Coating** - Use high quality scoop coaters to apply one or two coats of MagnaPrint® Screen Emulsion to the substrate side of the screen, followed by one or two coats to the squeegee side. For a thicker stencil, apply additional coats to the substrate side of the screen after the initial coats have dried.

**Drying and Storage** - Thoroughly dry the screen at a maximum temperature of 40°C (104°F) in a dust free, dark or yellow light area, with substrate side facing down to optimise stencil quality. Coated screens should be dried in a dust free, dry, safelight environment.

**Exposing** - Ensure that all surfaces (emulsion, film and glass) are free of dust to minimise pinholes. Contact the emulsion side of the positive with the substrate side of the screen and secure in position before placing the screen in a suitable vacuum frame. Many variables such as lamp type and coating thickness, can affect exposure times. Perform an exposure test to determine correct exposure times for a complete cure.

**Developing** - Wet both sides of the screen with a strong divided spray of water and continue washing out until all image areas are fully open. Rinse both sides of the screen and dry thoroughly before use. A properly exposed and developed screen will not leave residues on the screen side.

**Post Exposing** - Post expose with daylight or exposure UV lamp to produce a more water-resistant stencil.

**Reclaiming** - Remove all ink residues immediately after printing with water or an appropriate solvent. Remove stencil with MagnaPrint® Screen Remover and a pressure washer.

All information is given in good faith but without warranty. They do not release you from testing our products as to their suitability for the intended processes and uses.

