

Screen Colour Systems

GT 2021 Azo Coat P Technical Data Sheet

Description

Azo Coat P is a pre-sensitised photopolymer emulsion specially formulated for high quality stencils with very fast exposure time. It is suitable for UV, solvent based, water based and plastisol inks. It has excellent mesh bridging properties and will produce high quality stencils for both tone and fine line work. It is very hard wearing and is easily reclaimed.

Technical Info

Medium viscosity
Colour: Blue
High Solids content
Biodegradable and non hazardous

Application

Azo Coat P is most suitable for mesh counts from **32** threads per cm up to 150. Before coating ensure the mesh is dust & grease free. The application of GT1003 Degreaser Gel and subsequent thorough rinsing with water is recommended. Once the mesh is dry, Azo Coat P can be coated 1/1, 1/2, 2/2 depending on the mesh count and the stencil thickness required. For a higher quality stencil (flatter surface, sharper edges) 1 or 2 additional coats can be applied to the substrate side after the original coating has dried.

Storage

Azo Coat P is extremely light sensitive, both the liquid emulsion and coated screens should be stored in "safe-light" areas only. Storage temperature for Azo Coat P must not exceed 20°C. The emulsion comes pre-sensitised and has 12 months shelf life and should be kept in a cool dark area such as a fridge or basement. Coated frames can be kept below 20°C unexposed for up to 3 weeks.

Exposure

Because there are so many variables in exposing the emulsion, such as different lamp types and age, the distance from the lamp to the screen, mesh counts, colour and stencil thickness, it is impossible to give a definitive exposure guide. We recommend the end user conduct their own test exposure to determine an accurate exposing schedule.

Post Exposure

To make Azo Coat P resistant to water based inks, the coating must be post exposed, re exposure to UV light. (repeat the original exposure time) Post exposure will also make the stencil easier to reclaim.

Decoating

Decoat with AQ1020 Photosolve Gel or diluted AQ1021 Photosolve Concentrate. Wash off stencil with high pressure water immediately after applying the decoater.

Standard Packaging

AzoCoat P is sold in 1 kg & 4.5 kg plastic containers.