Screen Colour Systems

GT 2022 Azo Coat K Technical Data Sheet

Description

Azo Coat K is a dual-cure photopolymer emulsion with separate diazo sensitiser. It is suitable for UV, solvent, plastisol and water based inks.
Azo Coat K has excellent mesh bridging properties. This emulsion has a medium to fast exposure and is very hard wearing, yet it is easily reclaimed. It is recommended for all fine line and fine tone work but it is not recommended for highly plasticized substrates, due to the glossy finish of the stencil. Post hardening, by re-exposing to UV light, will increase the water resistance of the stencil.

Technical Info

Medium viscosity 42% Solids content
Colour: Blue
Biodegradable and non hazardous

Application

Azo Coat K is suitable for mesh counts from 29 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 K 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

Storage temperature for Azo Coat K must not exceed 20^0C. The unsensitised emulsion has 12 months pot life, after sensitising the emulsion should be used within 2 – 3 months and kept in a cool dark area such as a fridge or basement. Coated frames can be kept below 20^0C 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

Re exposure to UV light (repeat the original exposure time) will increase the water resistance of the stencil and is also recommended where a short exposure for fine detail was used initially. Post exposure will 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

Azo Coat K is sold in 1 kg & 4.5 kg plastic containers.

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