FOTECAP RUBY 4500 SERIES

SPT Sales + Marketing GmbH

FOTECO REMCO SAATI

Dual-Cure Capillary Film

1. DESCRIPTION

- The RUBY capillary film represents the result of years
 of work to create the finest direct stencil film available.
 RUBY was developed to meet the needs of the
 industrial printing market, specifically manufacturers
 of touch screen dis-plays and solar cells, as well as
 membrane switches and graphic overlays.
- This film provides wide exposure latitude with the sharpest edge definition, and boasts exceptional resistance to aggressive solvents used during on-press cleaning.
- Red capillary film specially designed for the most demanding industrial printing applications.
- Highly solvent resistant Ideal for printing of UV standard and water-based inks.
- Enhanced sharpness for maximum image resolution and print definition.
- Designed for use in pattering of functional materials and industrial graphics printing
- · Can be used with stainless steel and synthetic mesh.
- · Print resistance can be increased by post-exposing.
- Available in standard roll size of 104 cm width and in customized sheets sizes.

2. THICKNESS/EXPOSURE

Capillary- film	Thick- ness	PE Mesh	Stainless Steel Mesh	5 kW MH lamp exposure 1 m distance 120 Mesh Y
4515	15 µm	Min. 140	Min. 355	66 Sec.
4520	20 μm	Min. 120	Min. 305	84 Sec.
4525	25 μm	Min. 90	Min. 230	96 Sec.
4540	40 μm	Min.71	Min. 180	250 Sec.

4. PROCESSING

- Degrease mesh thoroughly. Use degreaser/abrader
 FOTECHEM 2023 for new polyester mesh.
- Always apply, after degreasing, a wetting agent like
 FOTECHEM 2025 to ensure an even, uniform water
 film on the print side of the stencil. Or use the
 combined degreaser/wetting agent FOTECHEM 2002
 Gel. Also available as concentrate (1:10 with water)
 FOTECHEM 2022.
- To print extra-long runs (object printing etc.), apply one coat of FOTECOAT 1016 or similar onto the squeegee side of the stencil after drying the adhered film and before peeling the carrier and exposure; the exposure time increases 50%.
- RUBY can be used by the indirect/direct method to increase definition and stencil build up.
 The exposure time increases by approx. 50%.
 The same emulsion as above can be used for adhering.

5. STORAGE

Maximum shelf-life under best conditions is for type **4515** and **4520** approx. 24 month and for type **4525** and **4540** approx. 12 months.

6. DECOATING

All FOTECO standard decoater, like FOTECHEM 2005 decoater paste or decoater concentrate FOTECHEM 2042 S can be used. A high pressure gun is recommended.

7. POST-EXPOSURE

Possible by sunlight, daylight or fluorescent tubes. Another possibility is to post-expose the stencil in the vacuum frame, preferably with squeegee side against the light.

3. ADVANTAGES

- · Reddish colour with very good see through
- · The mat stencil surface avoids static problems
- · Easy removal with the usual chemical products
- · Can be adhered manually or by machine



Our technical advice whether spoken, written, or through test trials corresponds to our current knowledge to inform about our products and their use. It is not meant as an assurance for certain properties of the products nor their suitability for each application. You are, therefore, obliged to conduct your own tests with our supplied products to confirm their suitability for the desired process or purpose. The selection and testing of products for specific final application is exclusively your responsibility.

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