



ProChem[®] HD-RED

Photopolymer Emulsion

HD-RED Exposure Guide

Note: SS - Squeegee Side / PS - Print Side

Fabric	Mesh thickness	Coating method	Dried stencil thickness	Lamp	Distance	Exposure time
Polyester 230-48 (90-48) yellow	77 µm	4 SS + scrape PS + 12 SS	160 µm	7000 W	125 cm	60 sec.
Polyester 195-48 (77-48) yellow	73 µm	4 SS + scrape PS + 12 SS	220 µm	7000 W	125 cm	75 sec.
Polyester 107-80 (42-80) white	115 µm	4 SS + scrape PS + 16 SS	405 µm	7000 W	125 cm	210 sec.
Polyester 81-100 (32-100) white	145 µm	4 SS + scrape PS + 12 SS	395 µm	7000 W	150 cm	190 sec.
Polyester 81-100 (32-100) white	145 µm	4 SS + scrape PS + 18 SS	525 µm	7000 W	150 cm	270 sec.

Developing / Washout

Wash out the screen evenly, using a soft water spray over both sides of the whole stencil. Wash until the image fully appears and the non exposed areas are free from residues. Use higher pressure only on the print side. To guarantee uniform wash out with details, it is suggested to rotate the screen and spread the water in several directions. Stencils with very thick layer can be left submerged for at least 20 minutes prior to using water jet. The use of slightly warm water helps to dissolve unexposed emulsion.

Reclaiming

Removing the emulsion is simple with one of CCI's ready to use or concentrated emulsion removers.

Storage

Store the emulsion in a cool dry place. Unopened emulsion has a shelf life of one year when stored properly. Coated screens will last up to 30 days with good results when stored correctly.

- ☀ 59° to 77° F (15° to 25° C)
- ☀ 40% to 60% humidity

Post Treatment

To increase the stencil resistance to abrasion and water based products, use CCI's HardenX or PermX chemical hardeners. Post exposing from the squeegee side can also significantly increase print durability.

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