

HARDENER HP (reclaimable)

1. DESCRIPTION

HARDENER HP is a chemical hardener used to increase the water resistance of water resistant emulsions like KIWOCOL 225 WR, KIWOCOL 300 WR, POLY-PLUS HWR and POLYCOL ONE-COAT.

Unlike other stencil hardeners, HARDENER HP will not result in an un-reclaimable stencil, although it may require slightly longer time to reclaim.

2. APPLICATION

Apply HARDENER HP generously with a brush or rag to both sides of the imaged, dry screen. Allow for the hardener to react a few minutes. This will allow for the hardener to evaporate from the open areas of the screen and for the emulsion to absorb the hardener.

Drying at elevated temperatures will result in "heat setting" that will increase water resistance. A high "setting temperature" and long "setting time" will produce higher water resistance.

Recommended drying/thermosetting:

1 hour at 140°Fahrenheit / 60°Celsius
3 hours at 100°Fahrenheit / 40°Celsius
24 hours at 68°Fahrenheit or room temperature

Hardener residue in the open areas of the screen can be removed with an on press solvent cleaner or washed with water.

3. SUITABILITY

HARDENER HP can be used on all emulsions but works best for the purpose of enhancing the water resistance of emulsions formulated for good water resistance. Results may vary when using stencil hardeners in conjunction with emulsions that exhibit very little water resistance on their own.

4. PHYSICAL DATA

Color: Blue
Consistency: Liquid
Shelf Life: 1 year at 68 degrees Fahrenheit
(20 degrees Celsius)
Flash Point: Not applicable
TLV: Not applicable
VOC: Not applicable
HMIS rating: Health - 1
Flammability - 0
Reactivity - 0

5. PERSONAL PROTECTION

It is recommended to wear protective glasses and gloves. See Material Safety Data Sheet for additional information.

6. ENVIRONMENTAL PROTECTION

HARDENER HP solutions can be eliminated through biological decomposition in adapted waste water treatment plants. The working solution can generally be emptied into the drains. Consult local authorities for local regulations.

7. PACKAGING

1 US quart, 1 US gallon, 5 US gallons

8. ADDITIONAL INFORMATION

For additional product information, please visit our web site at www.kiwo.com. All products mentioned in this Technical Information are available through KIWO Inc. and its distributor network. For further information contact your authorized KIWO distributor or KIWO directly.

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