

HARDENER AWR

1. DESCRIPTION

HARDENER AWR is a chemical hardener used to increase the water resistance of most KIWO photoemulsions. Depending on the chemical structure of the emulsion, HARDENER AWR may produce an absolute water-proof stencil that will not be reclaimable. Suitability for use is dependent on the formulation of the emulsion.

2. APPLICATION

Apply HARDENER AWR generously with a brush or rag to both sides of the imaged, developed screen, while it is still wet from developing after exposure. Allow for the hardener to evaporate at room temperature, but don't force-dry with fans. The drying time depends on the environment and may take up to an hour. This will allow for the hardener to evaporate from the open areas of the screen and for the emulsion to absorb the hardener.

Further 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 thermosetting:

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

Hardener residue in the open areas of the screen can be removed with solvents or will open up after a few prints.

3. SUITABILITY

Although HARDENER AWR is specifically designed to harden KIWOCOL POLY-PLUS HWR, it can also be used on the majority of KIWO emulsions. Excellent results have been achieved with POLYCOL AQUA, and KIWOCOL POLY-PLUS SRX.

When using HARDENER AWR on emulsions other than HWR brittleness can occur.

4. PHYSICAL DATA

Color: Clear
Consistency: Liquid
Shelflife: 1 year at 68 degrees Fahrenheit (20 degrees Celsius)
Flash point: Not applicable
VOC: N/A
pH value: 2
HMIS rating: Health - 1
Flammability - 0
Reactivity - 1

5. PERSONAL PROTECTION

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

6. ENVIRONMENTAL PROTECTION

HARDENER AWR 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 gallon pail, 32 US gallon drums

8. ADDITIONAL INFORMATION

For additional product information, please visit our web site at www.kiwo.com. For further information contact your KIWO distributor or KIWO direct.

Thank you for choosing **KIWO**.