

KIWOSET® E-WR

Hardener for chemically curable photoemulsions used in screen and textile printing

KIWOSET E-WR is an acidic, aqueous solution for the chemical hardening of photoemulsions. It can easily be distributed and forms an evenly spread film which enables a homogeneous curing result. Especially suitable for textile printing screens with which alkaline or acidic media (vat caustics) are printed. In some cases, it is recommended to make trials with the respective emulsion beforehand. In particular cases, KIWOSET E-WR can be used reduced with water in a ratio of 1:1 to 1:3. In general, photoemulsions treated with KIWOSET E-WR are very difficult to decoat or even undecoatable due to the achieved high resistances.

APPLICATION:

Apply KIWOSET E-WR or a reduced solution using a sponge, roller or brush, with the screen in horizontal position, onto both sides of the copied and dry screen and textile printing stencil. Allow the hardener to react for approx. 10-20 min. at room temperature, then harden for either 1 hour at 35-40°C or 24 hours at room temperature (at least 20°C).

When using fine meshes a fine haze of the hardener may remain in the open areas. This haze is water and solvent soluble and immediately disappears after the first few prints.

Notice: When using on nylon meshes reduce KIWOSET E-WR with water in a ratio of 1:2 to 1:3.

When applying on steel mesh – especially on very fine threads – the acid formulation of KIWOSET E-WR can facilitate the formation of so-called local elements (reaction of metal ions of different self potentials) which might damage the mesh. Therefore trials at the customer's site are essential. Alternatively a pH-neutral hardener can be used (e.g. KIWOSET HP or KIWOSET DC).

COLOUR

Colourless

HEALTH HAZARDS/ ENVIRONMENTAL PROTECTION

KIWOSET E-WR contains acid, therefore wear safety goggles and gloves. Avoid splashes and spray mists.

Please follow further information given in the material safety data sheet.

STORAGE

1 year (at 20 - 25 °C and original container)