

Hardener D

Hardener for chemically curable screen printing and textile printing emulsions

Hardener D 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, **Hardener D** can be used reduced with water in a ratio of 1:1 to 1:3. In general, photoemulsions treated with **Hardener D** are very difficult to decoat or even undecoatable due to the achieved high resistances.

APPLICATION

Apply **Hardener D** 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 ambient 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 **Hardener D** 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 **Hardener D** 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. **Hardener WR**).

COLOUR	Colourless
HEALTH HAZARDS/ ENVIRONMENTAL PROTECTION	Hardener D 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 closed original container)

This data sheet is for your information. A legally binding assurance of the product's suitability for a specific purpose cannot be derived from it and no liability can be assumed for any potential damages that may occur. Our products are subject to continuous production and quality control and leave our company in perfect condition.

This product is intended solely for industrial applications and not for use by the end consumer. We recommend to our customers to always test the product themselves since only in this way – also after production – can the freedom from certain substances and the suitability for a particular purpose be verified. The user has to test the product for suitability for the intended application. We reserve the right to modify product specifications. Tests that are not part of the specifications of the product mentioned above have not been carried out.

All information applies only to the above-mentioned product obtained from Kissel + Wolf GmbH. It corresponds to our current state of knowledge, but is not a confirmation of a particular application and is not automatically replenished. All information is valid for a maximum of 12 months (annexes may be provided with their own date) or until legal changes are made in this time period. The recipient of our product is solely responsible for observing any possible property rights as well as existing laws and regulations. Property rights of third parties must be observed. Our terms and conditions of sale and delivery shall apply.