

ESTELAN[®] R 700-04

Two-component screen lacquer, red

ESTELAN R 700-04 is a universally applicable two-component screen lacquer. After hardening it has a very good resistance to solvents such as alcohols, glycols, ketones, ester, white spirits and aromates as well as aqueous chemicals, acids and lyes in concentrations commonly used in screen and textile printing. It is mainly used to block-out the screen permanently and to protect the screen adhesive against aggressive solvents as used e.g. in screen washing units. ESTELAN R 700-04 can also be used as a reinforcing lacquer (post-lacquering of the screen) as well as to mark the mesh (available in different colours, see ESTELAN range). It has a good adhesion to mesh, photoemulsion, wood and metal.

APPLICATION

ESTELAN R 700-04 and KIWODUR RD are mixed in a ratio of 4:1, i.e. mix 100 parts of lacquer with 25 parts of hardener. Stir thoroughly and apply the lacquer with a coating trough or brush.

Extreme conditions or continuous cycling in screen washing units require a mixing ratio of 3:1. However, the elasticity of the lacquer is reduced. Therefore, it should not be coated onto the mesh itself.

Notice: KIWOBOND screen adhesives can only be lacquered after a drying / curing time of approx. 2 - 4 hours (see separate technical information sheets).

If ESTELAN R 700-04 is used as a reinforcing lacquer it is reduced with 10 - 15% of KIWOSOLV L 74.

POTLIFE

Approx. 12 hours (at 20°C)

DRYING TIME

Approx. 1 - 2 hours (depending on the coating thickness and room temperature)

CURING TIME

Approx. 2 days (at 20°C). Curing time can be reduced with higher temperatures, but ensure that only dry lacquers are heat-cured. Curing time at 50°C will be approx. 8 hours, at 80°C approx. 2 hours.

REDUCING

KIWOSOLV L 74

CLEANING

Unhardened: KIWOSOLV L 74
Hardened: PREGAN DL or -266

Hardened ESTELAN R 700-04 is difficult to remove. Clean all contaminated tools immediately after use.

NOTICE

Please note that the resistance of a screen lacquer is influenced by a lot of parameters e.g. curing time, ambient temperature, surface, reaction time of chemicals etc. Therefore, please accept our offer and test the suitability of our products by asking for free-of-charge samples, as we can only guarantee a constant quality according to our own working conditions.

COLOUR	Red. To mark the stencil, ESTELAN 700 is also available in yellow, blue and green.
VISCOSITY	Approx. 110 s (cup DIN EN ISO 2431, 6 mm nozzle)
FLASH POINT	ESTELAN R 700-04: approx. +35°C KIWODUR RD: approx. - 1°C
HEALTH HAZARDS/ ENVIRONMENTAL PROTECTION	Please follow further information given in the material safety data sheets.
STORAGE	2 years (at 20 - 25°C and tightly closed original container)