



U-Primer 150

Polyurethane solvent-free resin for consolidation and waterproofing of cementitious screeds

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Description

U-Primer 150 is a one-part, solvent-free ultra-fast curing polyurethane resin with no water content. It cures by reaction to the atmospheric humidity and with the screed water content. Being completely solvent-free, it is odourless and classified as a substance with no emission of volatile substances. U-Primer 150 has been specifically formulated to guarantee high penetration properties of screeds. Such a characteristic was purposely developed in order to allow the use of the product in its' pure form (without any dilution) to contemporarily guarantee both the high waterproofing and consolidating properties as well as the possibility of penetration in depth which increases the consolidated surface.

Areas of Application

- Anti-dust treatment of cementitious screeds with porous, dusty or irregular surfaces.
- Consolidation of screeds that are mechanically weak due to defects, moisture or lack of binder.
- Waterproofing treatment before the laying of wooden flooring to block the rise of excessive residual damp in the screeds.
- Preparation of synthetic mortars.





Technical data

Chemical nature	Polyurethane
Curing Mechanism	Moisture-curing
Aspect	Liquid
Colour	Yellowish Translucent
Solid Content	100% - Solvent free
Odour	Odourless
Density [g/cc]	0,95 ± 0,2
Minimum drying time [2]	2 (at 23°C and 50% r.h.)
Application	with ceiling brush or roller
Application temperature [°C]	from +5 to +35

Application

Anti-dust and Surface Consolidation treatment: Apply with a roller or a brush in a single coat. Allow to dry within 2/4 hrs. The low viscosity of the product combined with the high absorption properties allow a perfect penetration into the screed which enables the restore of uneven and dusty screeds. For full screed restoration please consult our technical service for further details.

Waterproofing: The screed must be free of oil, wax and dirt and must be adequately cured depending on whether a traditional screed or a quick-hydration screed is used. Apply at least two coats of U-Primer 150 by using a roller or a brush. It must be applied crosswise and each layer must form a continuous film.

Preparation of synthetic mortars: For small smoothing-off operations, a mix of U-Primer 150 with sand (the mix ratio is 9 parts of sand and 1 part of U-Primer 150 in weight) is necessary to obtain rapid setting mortars for repairing crack and holes in the screed.





Dilution

The product can be diluted using ethyl acetate if necessary according to the specific requirements of the application. The percentage of dilution advised can go from 0% to 50%.
Used in combination with NPT adhesives, U-Primer 150 create a real “application system” that allow a very fast and safe bonding of wooden floors avoiding any loss of time. After the application of the U-Primer 150, it is possible to proceed to the bonding of the wooden floors using NPT adhesives within 60’ with the guarantee of a perfect bonding.

Coverage

U-PRIMER 150 has a consumption of about 100 – 200 g/m² as primer (anti-dust and superficial consolidation treatment) and about 200 – 400 g/m² if used as moisture inhibitor and consolidation in depth.

Packaging and storage

Metal pail; net content 13 Kg
Store in original and unopened packaging at 23°C, the product maintains its properties for 12 months. Avoid damp areas and temperatures over 35°C.

General Information

The information contained in this technical data sheet is to the best of our knowledge correct, being based on our knowledge and experience to date and cannot be used as a guarantee, due to the various different materials present on the market and the fact that the application conditions are not under our direct control and supervision. NPT srl, however, guarantees constant product quality. NPT srl, has the right to modify or up-date this technical data sheet according to requirements. Customers are kindly requested to verify that they are in possession of the latest version.

ALWAYS CONSULT THE MATERIAL SAFETY DATA SHEET BEFORE USING THE PRODUCT.

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