

Penetrating varnish NL

Technological instructions no.: 35-1

Safety sheet no.:

35a

Composition:

polymer binding substances with addition of modifier

General description:

The penetration coating NL is water soluble painting material. It is used for formation of fastened interlayer on surface of fibre-cement boards, cement-chip boards, concretes, backfilling and renders in interior and exterior. On surface of the said materials forms a fastened layer of the base with significantly lower absorbability. Improvement of adhesive qualities, of realisation technology, evenness of surface structure or exclusion of other influences at realisation of surface treatment eventually at adhesion are the results. The penetration coating NL is produced in one quality class in transparent tint.

Merits:

It is suitable for use in interior because its penetration depth does not exceed 3 mm. It is recommended only for solid and consistent bases if applied in exterior. It is not suitable as a treatment of very or not absorbent bases, it has limited effectivity against transport of soluble substances from the base. It cannot be used under silicon substances.

Unit of measure:

kg

Consumption per m²:

0,05 to 0,09 kg/m²; Consumption depends on the base and application manner.

Spreading capacity:

214 m² / bucket (15 kg) according to the base

Grain size:

not mentioned

Packing:

The product is packed in 5 or 15 kg plastic portable buckets

Customs code:

3209100000

Colour scheme:

transparent

Thinning:

For the first paint the consistency can be adapted as follows: for 1 volume part of the paint 8 to 9 volume parts of drinking water, for the second paint 1 volume part of the paint and 4 to 5 volume parts of drinking water.

Bases:

The base must be firm and consistent, cleaned from dust, grease spots and all impurities that could reduce the coating adhesive capacity to the base. Penetration coatings are applied on common building bases. Mineral bases, namely renders and concrete must be matured (at least 28 days), cohesive, dry and clean. Only bases resistant to supposed load may be used (for example in exterior only bases resistant to frost eventually to defrosting salts may be used). Unstable, inconsistent and polluted places of bases must be removed mechanically, repaired and impregnated. Flatness of bases must meet the requirements of the consequently realised surface treatment. Bases with lower flatness must be repaired, levelled eventually smoothed. At realisation of surface treatment and adhesion on not firm and volume unstable bases (cement-fibre or chipboards, plasterboards, fibre-glass etc), especially in spaces exposed to significant humidity and temperature changes, the requirements and instruction of producers of the said materials must be observed at preparation of bases and technology of realisation.

Warning:

The mentioned information are compiled upon current status of technique. They

represent general instructions upon our application experience and material test results. However they cannot include local conditions at its application and due to this any legal liability cannot be deduced from them. In doubt or need of solution of specific technical questions please contact us.

Preparation of the material:

Working concentration of the penetration coating is obtained by thinning and short manual mixing.

Workability period:

not mentioned

Description of application:

The penetration coating NL is applied by brush with hard pile, eventually by roll. With absorbent surface of the base a double penetration is purposeful. However, the second penetration coating must be done before drying of the first one (immediately after surface drying). If it is not possible due to technological or organisational reasons, the double penetration is not recommended and first painting should be replaced by moistening with clean drinking water.

Flatness requirements:

not mentioned

Climatic conditions during application:

Range of working temperatures is +5 °C to +40 °C.

Requirements for base maturation:

Mineral bases, namely renders and concrete must be matured at least 28 days.

Safety regulations:

The penetration coating NL is not a flammable liquid in the sense of the ČSN 65 0201 standard. It does not contain any toxic organic solvents. It is not classified as a dangerous substance (preparation) in the sense of the Act no. 356/2003 Coll. as amended.

VOC: Product category A, product subcategories h. The maximum permissible limit VOC content in the product ready to use is 30 g/l mass.

Maximum VOC content in the product ready to use is 0,1 g/l mass.

First aid:

Protect your eyes and skin against stain, do not eat, smoke nor drink during the work. After the work wash your hands with water and soap and apply and repair cream. If your eyes are hit, rinse them with water minimally for 15 minutes. If consumed immediately rinse mouth, drink minimally 0,5 l of water, do not invoke vomiting and always seek medical help.

Recommended tools:

brush with hard pile, roll

Quality:

The product is certified for the mentioned use and tested by accredited testing laboratory. At production the product is controlled by the company laboratory subject to the certified quality management system subject to the ČSN EN ISO 9001 standard.

Storage:

The product must be stored in original packing in order to be protected from humidity and direct sunlight. Minimal storage temperature is +5 °C. Under the mentioned conditions is the storage life 6 months from the production date. Production date is marked on the packing.

Liquidation:

Liquidation of not usable remains is done by avoidance of access of air and after drying it is liquidated as building waste. Used packaging is liquidated as other waste according to the valid legislation.