

Technological instruction No. 07-001

NL

Catalogue No.: 640100

The penetration coating NL is water soluble painting material.

ČSN EN 9001
 ČSN EN 14001
ISO ISO



CHARACTERISTICS

Application	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.
Characteristics	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.
Appearance	transparent

SUBSTRATE

Requirements	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).
Preparation of the material	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.

APPLICATION

Climatic conditions during application	Range of working temperatures is from +5 °C to +40 °C (air and base) and the applied material must be secured against frost and rain up to complete drying. Do not apply under rain, strong wind nor directly sunlit surfaces.
Mixing ratio	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.
Preparation of the material	Working concentration of the penetration coating is obtained by thinning and short manual mixing.
Consumption	(kg/m ²) Penetrating varnish NL: 0.05 - 0.09
Spreading capacity	214 m ² / bucket (15 kg) according to the base
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.

Drying, curing, revision time	The material hardens physically through water vaporisation. On principle, protective measures must be taken (e.g. protection against rain, protection against sun by shading) on the worked or just finished surface under adverse conditions. At an air temperature of +20 °C rework is possible not earlier than after 4 hours.
Cleaning tools	Immediately after use clean with water.

DELIVERY

Colour hue	transparent
Tintable	The product cannot be tinted.
Packing	The product is packed in 5 or 15 kg plastic portable buckets.

STORAGE

Storage	When storing in the tightened closed original packages the guarantee period is 12 months from the date of production. Protect against frost, do not store in sun-radiated places.
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Ecology	Liquidation of not used remains is done by watering and depositing of the hardened inert substance as a building waste. Used packaging is liquidated as composite waste according to the valid legislation.

IDENTIFICATION

Product group	penetration varnish
Composition	polymer binding substances with addition of modifier
Safety	Not mentioned anymore. Hazard determining components: It is not a dangerous product. Additional information: Contains 5-Chlor-2-methyl-3(2H)-isothiazolon, mix with s 2-methyl-3(2H)-isothiazolon substance. May produce an allergic reaction. 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 0.5 g/l mass.

SPECIAL INFORMATION

Regarding orders, transport, handling and storing, general sales conditions are applicable. Usage of the product is described in relevant technological sheet. Respect safety sheet instructions. The prescription is available at authorized dealers and on the address **www.stomix.com**.

The information provided takes in account the current status of the technology. We give general instructions based on our experience with application and results of the material tests. However, the information provided can't take into account the local conditions during the application, therefore, it can't be legally binding. In case of doubts or need to solve specific technical problems, please contact us.



WWW link