

Technical 17.11.2016

RENOWA SPRITZ NHL

Spritz mortar based on natural NHL 5 hydraulic lime

Use:

Spritz mortar after a historic recipe, based on natural NHL 5 hydraulic lime, for application on massive brick masonry, mix of brick, stone or crushed stone on old or new buildings. Special product for restoration works on historic buildings, churches, historic monuments. Does not apply on bases with very high porosity, such as ACC.



Characteristics:

- Optimum adherence
- High permeability to water vapors
- Equalizes support absorption

Technical data:

Item No.:	NHL S
Material foundation:	Natural hydraulic lime, white cement additive, mineral aggregates
Compressive strength 28 days:	CS II according to EN 998 – 1
Diffusion coefficient of vapors:	5/20
Reaction to fire:	Class A1
Air/substrate temperature when placing:	Between +5°C and +25°C
Consumption:	Approx. 5 kg / m ²
Packaging:	Paper bag resistant to humidity
Delivery:	30 kg
Storage / Validity:	12 months from date of fabrication on the packaging, according to Directive 1907/2006/EC and GR 932/2004, at 20°C and 65% relative humidity. Store in dry spaces on wooden pallets.

Technical data and those related to consumption are determined in standard conditions.

There may be differences depending on conditions of applications.

Base:

Surface of the base must be absorbent, clean, without materials than can form a separator layer. Fragile portions from the base must be removed. In case of high concentrations of salts and increasing humidity in the support layer, appropriate measures must be taken to extract the salts and for vertical / horizontal insulation / drainage.

Processing:

The base is abundantly watered a day before and immediately after applying the material. Material is applied on the mate wet base, without excess water. If during application the base shows dry areas, they are watered again. For a bag of RENOWA SPRITZ NHL mix homogenously approx. 16,5 liters of clean water. After the material starts to homogenize, mix for another 3 minutes to obtain the adequate porosity. The material obtained is applied on the base with the plastering trowel or the ladle, approx. 5 mm thick, with 100% coverage of the surface. Approx. 30 minutes after application, surface is moistened. The hydraulic lime-based plaster is applied 1-3 days after applying the spritz mortar.

Important:

- During application and hardening, surface must be protected against fast dehydration due to direct sunlight, high temperatures or air currents;
- After application, surfaces are protected with specific methods, such as coating with textile material maintained wet;
- Consideration must be given to additional measures for the protection of surfaces against fast dehydration, bad weather or frost;
- When using for exteriors during high humidity period, approx. October – March, request technical assistance in order to evaluate risks related to frosting and drying of the material;
- Strictly comply with the instructions for using the plastering machine, to avoid clogging of transport hoses and risk of accidents;
- This technical sheet replaces all previous versions. Information in this technical sheet represent our experience with this product up to this day. This technical sheet does not clear the user of the product from making his own decision and evaluation including by samples, regarding the appropriateness of using the product. SCHOMBURG / ADEPLAST products as well as their aggregate raw materials are continuously monitored in our own laboratories for consistent quality. Our advisory service is available for questions regarding product application and demonstrations. Comply with the information in the security technical sheet.