SurfaPore RD

Damp proofing coating against Rising Damp

Product Description

SurfaPore RD is a water-based impregnating colloidal solution, especially designed for the protection of the building surfaces from rising damp. Strong chemical compatibility with building materials and ease of application are assured due to its inorganic formulation. After application and impregnation of SurfaPore RD in the substrate, a waterproofing, permanent and dense 3D-network is chemically formed that prevents the water uptake by capillary action. Natural appearance, water-vapour permeability and porosity of the treated surfaces remain unaffected.

Recommended Use

Ideal for interior or/and exterior, absorbent, untreated building surfaces made of inorganic materials such as concrete, plaster or render, stucco, cement, porous stones, bricks and clay.

Key Benefits

- Simple and quick application without injection
- Deep surface protection
- Long-lasting damp proofing
- Prevention of surface cracking
- Breathable
- No appearance alteration
- 100% resins absence → Non film forming
- Deep penetrating → Weather and UV- resistant
- Surface stabilization → No need for priming before painting

Technical Specifications

Type ▶	Water-based suspension
Appearance ▶	Milky White
Odor ▶	Slight
Density ▶	1.10 ± 0.05 g/cm^3
pH ▶	12.1 ± 0.5 (30°C)
Viscosity ▶	1.85 mPa·s (LCP, 23 °C, 60rpm)
Liquid water permeability ▶	w = 0.055 kg/m^{2}h^{0,5}
(EN 1062-3:2008)	Class W3
Water-vapour permeability ▶	s_d = 17.3 m
(EN 7783-2)	Class I (High)
Thinning ▶	Ready-to-use
Coverage ▶	6-8 m^2/L (*)
Application temperature ▶	From +5°C to +35°C
Touch dry time ▶	30 min (25°C) (**)
Full waterproofing ▶	24 h
Full curing ▶	30 d

(*) depending on the absorbance of the substrate and application method
(**) depending on surface humidity and relative humidity

Surface Preparation

All surfaces should be clean, dry and free from dust, oil, grease and other foreign residues or contamination. New substrates from cement and new masonry should have cured for more than 4 weeks prior application. Paint, primer, coatings and any other treatment must be totally removed from already treated surfaces (ex. painted walls), before the application of SurfaPore RD. Damaged surfaces must be repaired, as well cracks and gaps should be filled with suitable putty or repairing material.

Application Instructions

Shake well the container before use. Apply by using brush, roller or airless spray gun. On very absorptive or worn surfaces re-apply after 15 minutes. Excess quantity should be removed. After drying, if necessary, the treated surface should be dusted by using a dry brush. All tools and equipment should be cleaned immediately after use with warm water and soap.

Additional Information

SurfaPore RD is not considered an oxidant. Application on very humid surfaces without drying in depth, could affect the effectiveness of the product. Is highly recommended the cause of the presence near the substrate of damp and ponding waters to be resolved before the application of SurfaPore RD. Adverse weather conditions during or after the product application may affect the properties of the coating.

Storage

Storage of initial closed containers, in controlled dry and enclosed space, away from direct sunlight and frost and at temperatures from 5°C to 35°C, for up to 24 months post-production date.

Health, Safety and Environmental Information

Read label before use. The Technical Data Sheet should be read in conjunction with the Safety Data Sheet. Safety Data Sheet is available through NanoPhos' website www.NanoPhos.com or upon request by contacting NanoPhos through email: info@NanoPhos.com or by telephone: (+30) 2292069312.

Available Packaging

- 1L Plastic Container
- 3L Plastic Container
- 10L Plastic Container