

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 preventing 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

- ☆ Deep surface protection
- ☆ Long-lasting damp proofing
- ☆ Prevention of surface cracking
- ☆ Natural appearance, porosity & water vapor permeability stays unaffected
- ☆ Non film forming
- ☆ Weather and UV- resistant
- ☆ No need for priming before painting

Technical Specifications

Type	Water-based suspension
Appearance	Transparent
Odor	Slight
Density	1.08 ± 0.05 g/cm ³
pH	12.4 ± 0.5 @ 25°C
Flowtime (Ford cup N ₀ 4)	11.97 sec @ 25°C
Liquid water permeability (EN 1062-3:2008)	w = 0.055 kg/m ² h ^{0.5} , Class W3
Water-vapour permeability (EN 7783-2)	s _d = 17.3 m, Class I (High)
Application temperature	From +5°C to +35°C

NanoPhos S.A.

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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 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.

Spreading rate

6-8 m²/L, accordingly to the absorbance of surface application.

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. Inclement weather conditions during or after the product application may affect the properties of the coating.

Storage

Store in well closed package, in a well-ventilated area, strictly at a temperature of 5°C to 35°C, away from sunlight and frost. Inclement storage conditions may affect product quality.

Health & Safety

Read the label of the product before use. 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

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Disclaimer: The Technical Data Sheet recommendations for the use of NanoPhos' products are based on our scientific knowledge, laboratory studies and long-term experience. The information provided must be considered indicative and subject to constant review based on specific conditions and each practical application. The suitability of the product should be examined in each case for specific use and the end user bears full & exclusive responsibility for any side effects that may arise from the incorrect use of the product. The present edition of this technical datasheet automatically cancels any previous one concerning the same product. For more information please contact NanoPhos: info@NanoPhos.com

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