

SurfaPaint™ ThermoDry Exterior

Water-based acrylic thermal insulation paint for exterior use

Product Description

SurfaPaint™ ThermoDry Exterior is a high-quality acrylic paint with thermal protection properties, ideal for outdoor use. Thanks to special thermal insulation components with different granulometry, the color contributes in winter, summer.

final TO SAVING energy BOTH as well as

Its special composition allows it to reflect a large amount of thermal radiation, which can lead to energy savings. significantly of

SurfaPaint™ ThermoDry Exterior offers excellent coverage, strong adhesion, elasticity, radiation resistance and a great finish. SOLAR salts, such as and a mat

Applying SurfaPaint™ ThermoDry Exterior can inhibit the development of urban heat islands, reflecting over 90% of the thermal radiation incident on buildings.

Recommended use

Ideal for exterior surfaces such as exterior masonry, concrete, plasterboard and any other surface where water-based and acrylic paints are applied. Suitable for application to masonry exposed to adverse weather conditions and for the protection of damaged cementitious surfaces with capillary cracks.

BENEFITS

- ★ Provides thermal protection and energy savings
- ★ Reflects over 90% of infrared radiation
- ★ High resistance to solar radiation and salts
- ★ Water-based, low-odor, environmentally friendly paint
- ★ Combination of thermal protection, antifungal action and a permeable substrate
- ★ Easy application, providing a great matte finish

Approved by the European Cool Roofs Council (ECRC)

Product ID: FA00000004



RATED PRODUCT		Rated Product ID Number FA00000004	
RATED PRODUCT		Initial	Aged
Solar Reflectance	0.86	-	-
Infrared Emittance	0.90	-	-
Solar Reflectance Index	108	-	-
Climate type		Date of measurement	Manufacturers name
-	-	11/12/2015	NanoPhos SA

European Cool Roofs Council Ratings are determined for a fixed set of conditions which may not be appropriate for determining differing seasonal performance. The actual effect of solar reflectance and thermal emittance on building performance may vary with differing conditions. The manufacturer of this product stipulates that these ratings were determined in accordance with the applicable European Cool Roofs Council procedures.

NanoPhos SA

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SurfaPaint™ Theermo Dry Exterior

Water-based acrylic thermal insulation paint for exterior use

Technical Specifications

Type: Water-based, 100% acrylic
Color: white – available for tinting in P & D batches for light shades
Density: 1.05±0.05 kg / L
pH: 9.0 ± 0.5
VOC (Volatile Organic Compounds): 11 g / L ¹
Dilution: Up to 10% with water
Viscosity: 110±15 KU
Solid content (% v/v): 45±5%
Touch-dry time: 30min @ 20°C
Drying time: 1h @ 20°C
Min. Refrigerate for 4-6 hours @ 20°C
Reflectance (ASTM G 173): TSR: 90.95% (280-2200nm) NIR: 94.64% (700nm-2200nm) VIS: 92.69% (380-780nm)
Theermal conductivity (EN ISO 12667:2004): 0.1 W / (mK)
IR Emissance Factor (ASTM E408-71): 0.91
Washability (ISO 11998:2006): yyyy

¹ EU limit value (Directive 2004/42/EC) of the product ready for use (Category A / c "For external walls of mineral insulation", Type Y): 40 g / L (2010). The maximum VOC content of this product is 11 g / L.

(*) Dry to re-coat time is prolonged under low temperature and high humidity

Surface preparation

All surfaces must be clean, dry and free from dust, oil, grease and loose residue. New cement substrates and new masonry must be cured for at least 3-4 weeks before applying the primer.

For best results, it is recommended to use NanoPhos Primer SurfaMix™ P.

Application method

Shake well before use. No dilution is required for covering capillary cracks up to 0.5 mm. For cracks larger than 1 mm, fill the gap with a suitable putty. If dilution is required, add up to 10% water (by volume).

Application temperature should be between 8 - 35°C. Apply 2-3 coats using a quality brush, roller or spray gun with a nozzle diameter of 1.4 mm or larger.

Do not add more than recommended. Make sure corners and edges are properly covered.

After use, clean tools immediately with water.

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Coverage rate

12-18 m²/L, depending on the absorption capacity of the applied surface.

Storage

Storage: Store the product in its original, tightly closed packaging in a well-ventilated area at a temperature between 35°C and 35°C, away from direct light and frost. Improper storage conditions may affect the quality of the product.

Safety and health

Read the product label before use. The cleaning code sheet is available on the NanoPhos website: www.NanoPhos.com.

(+30) 2292069312.

Available Packaging

ÿ 3L Plastic Container

ÿ 10L Plastic Container

Available labels in bases for tinting

It's P

ÿ 2.91L Plastic Container

ÿ 9.70L Plastic Container

Yes, D.

ÿ 2.85L Plastic Container

ÿ 9.50L Plastic Container

Disclaimer: The Technical Data Sheet represents common data for the use of NanoPhos' products are based on scientific knowledge and experience, laboratory studies and long-term experience. The information provided must be indicative and subject to constant review based on specific conditions and actual application. The suitability of the product should be examined in each case for specific use and the end user bears full responsibility for possible damage that may arise from the incorrect use of the product. The present edition of this technical datasheet is automatic and is any previous or concerning the same product. For more information please contact NanoPhos: info@nanophos.com

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