

## Surfa Paint™ Thermo Dry 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.

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

SurfaPaint™ ThermoDry Exterior offers excellent coverage, strong adhesion, elasticity, radiation resistance and a great finish. It offers excellent coverage, strong adhesion, elasticity, radiation resistance and a great finish. It offers excellent coverage, strong adhesion, elasticity, radiation resistance and a great finish.

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 organization European Cool Roofs Council (ECRC)

Product ID: FA00000004



 EUROPEAN COOL ROOFS COUNCIL		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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## Surfa Pa int™ The rmo Dry Exte rior

Water-based acrylic thermal insulation paint for exterior use

### Technic al Sp ecific a tio ns

Type ÿ Water te rb a se d, 100% ac rylic

Colorÿ white – a va ila b le fo r tinting in P & D ba se s fo r lig ht sha de s

Density ÿ 1.05±0.05 kg / L

pH ÿ 9.0 ± 0.5

VOC (Volatile Organic Compounds) ÿ 11 g / L1

Dilution ÿ Up to 10% with water

Viscosity ÿ 110±15 KU

Solid content (% v/v) ÿ 45±5%

Touc h-dry time ÿ 30min @ 20oC

Drying time ÿ 1h @ 20oC

Min. Refrigerate for 4-6 hours @ 20oC

Reflectance (ASTM G 173) ÿ TSR: 90.95% (280-2200nm)

NIR: 94.64% (700nm-2200nm)

VIS: 92.69% (380-780nm)

The rma lc onduc tivity (EN ISO 12667:2004) ÿ 0.1 W/ (mK)

IR Emitta nc e Fa c tor (ASTM E408- 71) ÿ ÿ= 0.91

Wa sha bility (ISO 11998:2006) ÿ ÿÿÿÿÿ ÿÿ

1 EU limit value (Dire c tive 2004/ 42 / EC ) of the p ro duc t re ady fo r use (C a te gory A / c "Fo re xte rna l wa lls of mine ra l sub stra te ", Type Y): 40 g / L (2010). The maximum VOC content of this product is 11 g / L.

(\*) Dry to re coat time is pro lo ng ed und er low temperature a nd 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 - 35ÿC. 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 m<sup>2</sup>/ 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 Nano Phos website: [www. nanophos.com](http://www.nanophos.com).

(+30) 2292069312.

### Available Packaging

• 3L Plastic Container

• 10L Plastic Container

Available in base s for tinting

It's P

• 2.91L Plastic Conta ine r

• 9.70L Plastic Conta ine r

Yes, D.

• 2.85L Plastic Container

• 9.50L Plastic Container

*Disc laime r: The Technic al Data She et re comm ndatio ns fo r the use of Nano Pho s' pro duc ts are base don ur sc ientific kno wle dg eco nside re , lab o rato ry studie s and long - te rm e xpe rie nc e . The info rmatio n pro vide d must be d indicative and sub je ct to constant re vie w base don spe c ific co nditio ns and e ac h prac tic al applic atio n. The suitab ility of the pro duc t sho uld bee xamine d in e ac hc ase fo r spe c ific use and the e nd use rbe ars full & e xc lusive re spo nsib ility fo r any side e ffe c ts that may arise from the inc o rrect use of the pro duc t. The pre se nt e ditio nof this tec hnic al datashe et auto matic ally c anc e ls any pre vio us o ne co nc e rning the same product. Fo r mo re info rmatio n ple ase contac t Nano Phos: [info @ Na no Pho sc om](mailto:info@nanophos.com)*

Surfa Pa int™ lo go is a re g iste re d tra de ma rk of Na no Pho s SA

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