

## Surfa Paint™ Thermo Dry Interior

The paint is a high-quality, durable paint for , copper thermal insulation , interior walls and ceilings.

### Product Description

SurfaPaint™ ThermoDry Interior is a high-quality, water-based acrylic paint with thermal protection properties, ideal for interior use, enhanced with SurfaPaint™ ThermoDry technology. Its composition prevents heat transfer due to the low thermal conductivity of the material, resulting in significant energy savings both in winter and summer. SurfaPaint™ ThermoDry Interior offers excellent coverage and wash resistance, strong adhesion, elasticity, antifungal action and water-repellent properties. It is an ideal solution for preventing the development of mold, summer. as it prevents the formation of thermal bridges and minimizes moisture condensation on cold wall surfaces.

### Recommended use

It is ideal for homes, areas vulnerable to water vapor condensation and mold development (inclined surfaces, bathrooms, kitchens, etc.), but also for public buildings, hospitals, offices, etc. Suitable for any type of new or old surface, such as concrete, plaster, drywall and wood.

### BENEFITS

- ☆ Thermal protection and energy savings, contributing to improving the energy efficiency of the building
- ☆ Prevents the formation of thermal bridges
- ☆ Excellent coverage, strong adhesion and high elasticity
- ☆ Long-lasting durability without requiring frequent repainting
- ☆ Water-based, low-odor, low-VOC and environmentally friendly paint
- ☆ Easy to apply, provides a great matte finish
- ☆ Improved protection against microorganisms and fungi
- ☆ High permeability

Approved by the organization European Cool Roofs Council (ECRC)

Product ID: FA00000005



ECRC EUROPEAN COOLROOFS COUNCIL		Rated Product ID Number FA00000005	
RATED PRODUCT		Initial	Aged
Solar Reflectance		0.85	-
Infrared Emittance		0.89	-
Solar Reflectance Index		107	-
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 Interior

The paint is applied to , high quality , copper thermal insulation, for interior walls and ceilings.

### 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 10 g / L1

Dilution ÿ Up to 10% with water

Viscosity ÿ 110±10 KU

Solid content (% v/v) ÿ 50±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: 90.5% (280-2200nm)

NIR: 94.19% (700nm-2200nm)

VIS: 94.04% (380-780nm)

Thermal conductivity (EN ISO 12667:2004) ÿ 0.096 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 (Ca te gory A / c "Fo re xte rna l wa lls of mine ra l sub stra te ", Typ e Y): 40 g / L (2010). The maximum VO C content of this product is 10 g / L.

(\*) Dry to re coat time is pro lo ng ed und er lo w te mp e ra ture 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 necessary, add up to 10% by volume).

water (in

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.

### Coverage rate

10-12 m²/ L, depending on the absorption capacity of the applied surface .

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### Storage

Store the product in its original, tightly closed packaging, in a well-ventilated area, at a temperature between 5°C and 35°C, away from direct sunlight 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 Container

• 9.70L Plastic Container

Yes, D.

• 2.85L Plastic Container

• 9.50L Plastic Container

*Disclaimer: The Technical Data Sheet recommendations for the use of Nano Phos' products are based on 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 and exclusive responsibility for any side effects that may arise from the incorrect use of the product. The presence of this technical data sheet automatically cancels any previous or concurrent naming the same product. For more information please contact Nano Phos: [info @ Na no Pho sc om](mailto:info@nanophos.com)*

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