

Neotherm[®] AC

Anti-condensation paint for interior use

Description

Unique anti-condensation paint of high coverage and low thermal conductivity compared to conventional paints. Specially designed to prevent water vapour condensation on internal walls and ceilings, thus permanently preventing the growth of mould and bacteria.

Fields of application

- On internal walls (plaster, concrete, etc.) and ceilings, especially in residencies with insufficient thermal insulation and high levels of humidity
- Wet rooms with high relative humidity, e.g. bathrooms, kitchens
- On thermal bridges (in beam junctions, northern walls, etc.) which are a basic cause of water vapour condensation and mould growth
- As a finish in **N-Thermon[®] System**, further contributing to energy savings

The surfaces require appropriate preparation and priming prior to the application of Neotherm[®] AC.



Packing

10L, 3L & 1L

Colour

RAL 9003

Properties - Advantages

- Prevents vapour condensation on the surfaces of internal walls and ceilings
- Permanently prevents the growth of mould and bacteria
- Exhibits high water vapour permeability and low thermal conductivity compared to conventional paints
- Presents excellent resistance to frequent washing
- Eco-friendly & user-friendly (water-based, one-component)

Certificates - Test reports

- Analysis report for the thermal properties by the University of Athens – Physics Dept.
- Complies with the V.O.C. content requirements acc. to the E.U. Directive 2004/42/CE

Certified by:



Technical characteristics

Density (EN ISO 2811-1)	1,10kg/L (±0,1)
Gloss (60°)	<5
Thermal conductivity (λ) (ISO/DIS 22007-2)	0,084W/mK
Thermal diffusivity (ISO/DIS 22007-2)	0,1926mm ² /s
Coverage: 8-10m²/L per layer	

Application conditions

Substrate moisture content	<6%
Relative air humidity (RH)	<70%
Application temperature (ambient - substrate)	+8°C min. / +35°C max.

Curing details

Drying time (+25°C, RH 50%)	2 hours
Dry to recoat (+25°C, RH 50%)	24 hours
<i>* Low temperatures and high humidity during application and/or curing prolong the above times, while high temperatures reduce them</i>	

Appropriate primers on usual substrates

Substrate	Primer	Description - Details
Concrete, plaster	Revinex® (diluted with water 1:4)	Water-based primer of high adhesion on cementitious substrates
	Silatex® Primer	Acrylic solvent-based primer, with high penetrating ability
	Vinyfix® Primer	Solvent-based primer based on vinyl resins, ideal for stabilizing brittle substrates

Instructions for use

Substrate preparation

The surface must be stable, clean, dry, protected from rising moisture and free of dust, oil, grease and loose materials. Any poorly adhering materials and older coatings should be removed, and the surface should be thoroughly cleaned mechanically or chemically. In case the surface has been infected with mould, it is necessary to initially clean it with a proper mould remover or bleach diluted with water and thoroughly rinse with clean water. Depending on the substrate, appropriate mechanical preparation may be required, to smooth the irregularities, open the pores and



create the optimum conditions for adhesion. The surfaces should be sufficiently flat, smooth, and continuous (i.e., without holes, cracks, bays, etc.). In the opposite case, they should be treated accordingly (e.g. by proper puttying).

Priming

Prior to the application of **Neotherm® AC**, the proper **NEOTEX®** primer should be applied, depending on the substrate. In the case of cementitious substrates, it is proposed to apply **Revinex®** diluted with water in a ratio **Revinex®**: water - 1:4 or the solvent-based primers **Silatex® Primer** or **Vinyfix® Primer**.

Application

After thorough stirring, **Neotherm® AC** is applied on the properly prepared surface, diluted up to 5% with clean water, by roller or brush, in at least two layers.

Special notes

- In areas where there have been severe past problems of moisture and mould, it is necessary to apply at least three layers of the material.
- **Neotherm® AC** should not be applied under wet conditions, or if wet conditions or rainy weather are expected to prevail during the application or the curing period of the product

Appearance	Viscous liquid
Colours	White RAL 9003 Also available in TR, D bases offering versatility for the creation of the requested shade
Packing	10L, 3L and 1L in plastic pails
Cleaning of tools – Stains removal	By water immediately after application. In case of hardened stains, by mechanical means
Volatile organic compounds (V.O.C.)	V.O.C. limit acc. to the E.U. Directive 2004/42/CE for this product of category AcWB: 40g/l (Limit 1.1.2010) - V.O.C. content of the ready-to-use product <40g/l
UFI code	33C0-J09M-E000-53XE
Storage stability	2 years, stored in its original sealed packing, protected from frost, humidity and exposure to sunlight



The information supplied in this datasheet, concerning the uses and the applications of the product, is based on the experience and knowledge of NEOTEX® SA. It is offered as a service to designers and contractors to help them find potential solutions. However, as a supplier, NEOTEX® SA does not control the actual use of the product and therefore cannot be held responsible for the results of its use. As a result of continual technical evolution, it is up to our clients to check with our technical department that this present data sheet has not been modified by a more recent edition.

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