



TECHNICAL DATA SHEET NANO COAT HOME[®]

Is a unique active layer designed for multiple solutions of all interior surfaces.

Advantages:

- ✓ Healthy home
- ✓ Thermal comfort
- ✓ High vapour permeability
- ✓ Prevention of mildew
- ✓ Low water vapour condensation
- ✓ Energy savings
- ✓ Allergy-friendly

Technical properties:

White vapour permeable, thermo-insulating final plaster layer, intended for indoor use. It actively reduces the time required for heating and cooling the rooms, reduces thermal bridges and climate. The surface temperature will rise above the dew point to prevent condensation and mould. Thanks to the vacuum-coated glass nanoscale, it slows down heat transfer to the structure, creating a heat shield and removing radiant cold or heat from the walls. The air in the room is thus heated or cooled faster and the set temperature is maintained for longer. This saves heating or air conditioning costs and creates an optimal indoor microclimate.

Fields of application:

Versatile use for ceilings, floors, walls, living and living areas, rooms with high humidity, historic buildings, offices, out-patient departments, and others. Thanks to its vapour permeability, it is suitable for use in damp areas. In addition to being vapour-permeable, its special surface prevents the spread of molds and microorganisms. It is also suitable for allergy sufferers, asthmatics, out-patient departments, and public spaces.

Composition:

The final acrylic dispersion layer with a high content of vacuum glass spheres.

One layer application thickness:

1.5 to 2 mm

Yield:

1 l = 0.5 m²



Application:

1: You can reduce the viscosity by diluting with water 0.25l per 5l of material.

2: Mix the mixture manually or using a low speed stirrer.

3: Apply the mixture with a 4x4mm tooth side or sprayer, at max. pressure of 5 bar.

4: With the smooth side of the smoother, adjust the surface to the desired condition.

5: After 12-24 hours using sandpaper No. > 400 adjust the unevenness of the plaster layer.

6: Possible defects (unevenness, cracks) should be treated with the plaster mixture and re-sand after curing.

Shelf life:

24 months in the original unopened container in accordance with storage conditions.



Indoor use



ECO



Rapid drying



Thermal comfort



Nanotechnology



Low VOC

Storage:

Store closed in a dry place away from sources of heat and direct sunlight at 5 - 30 °C after opening.

Drying time:

12 - 16 hrs. at 23 °C and 50 % relative humidity.

Technical specifications:

Water vapour permeability (V): 153.5 g/m².d*

Diffusion thickness (sd): 0.144 m at layer thickness - 3 mm (23 °C and 50 % relative humidity)

Diffusion resistance factor (μ): 47.76*

Fire resistance: B s1 d0 VOC (EN ISO 11890-2): 1.798 g/l

Dry bulk density (pd)*: 180 kg/m³

Emissivity (ε): 0.83

Thermal conductivity coefficient (λ): 0.0396 W/mK*

Layer thickness - 3 mm (23 °C and 50 % relative humidity)

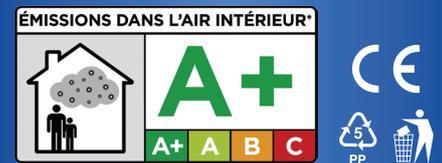
Bond strength: >0.6 Mpa

Packaging volume in litres:

1 l, 5 l, 10 l, 30 l

Product certification

EN 15824, NF EN 15804 + A1, EN 12667, EN ISO 7783, EN 1542, DIN EN 13501-1, STV EN ISO 11890-2



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Precautions:

Although NANO COAT HOME is not considered to be a hazardous product, it may occasionally cause an allergic skin reaction. Avoid inhalation of dust/smoke/mist/aerosols when using, wear protective gloves and clothing. Wash your skin with plenty of water after contact. Maximum content of volatile organic compounds in the condition where the product is ready for use: 1.789 g/l. VOC: A/g, WB, 30 g/l.

Caution:

The information herein provided is based on the current state of our product knowledge and applicable laws. Any person using the Product for any purpose other than as expressly recommended in the Technical Data Sheet and Safety Data Sheet makes this at their own risk. It is always the responsibility of the user to take all the necessary steps to comply with the requirements set out in the regulations and related legislation. Always read the Safety Data Sheet and Product Data Sheet. Any advice we provide or any product statement we have made is, to the best of our knowledge, correct, but we assume no responsibility for the quality and condition of the substrate, or for any other factors affecting the use and application of the product. We assume no liability for any loss or damage resulting from the use of the product for any purpose other than that specified in the Technical Data Sheet and the Safety Data Sheet. All supplied products and technical advice are subject to our general terms and conditions. The information contained in this letter may be changed at any time. More detailed health and safety information, together with safety information (e.g. physical, toxicological, and environmental data) is provided in the Safety Data Sheet.

For current product information, declaration of conformity and certificates, please visit www.helskeenergysave.com