



TERMOIMPER

Waterproof, thermal insulating and flexible (anti-crack) coating for façades

DESCRIPTION

Acrylic elastomeric waterproofing coating with thermal insulating properties, specially formulated for the decoration and protection of façades. High-quality product with very low thermal conductivity, manufactured using hollow ceramic and glass microspheres combined with reflective pigments.

RECOMMENDED USES

Suitable for areas exposed to sudden temperature changes. Thanks to its high performance, it is ideal for the decoration and protection of vertical and horizontal building surfaces, as well as ornamental elements. It also acts as an effective anti-carbonation barrier for concrete.

PROPERTIES

- ***High elasticity:** does not crack or craze when subjected to substrate expansion and contraction caused by temperature variations. Contributes to crack-bridging performance.
- ***Photo-crosslinking technology:** prevents surface tackiness, significantly reducing dirt pick-up.
- ***Excellent weather resistance.**
- ***Effective anti-carbonation barrier** due to its high resistance to CO₂ diffusion.
- ***Beading effect** that promotes self-cleaning through rainwater action.
- ***Resistant to alkaline substrates**, such as cement mortars, concrete or brick.
- ***Contains in-film preservative** to prevent the growth of mould and algae on the surface.
- ***Provides significant thermal insulation (heat/cold)** thanks to the low thermal conductivity of the coating film, minimizing temperature transfer through the wall. Complies with Technical Building Code requirements for insulating materials.
- ***Its structure contributes to sound wave dampening**, improving acoustic insulation.
- ***Sound-absorbing properties**, with noise-reducing effect.

TECHNICAL CHARACTERISTICS

- ***Colour:** Optical white
- ***Finish:** Matt
- ***Solar Reflectance Index (SRI):** 87.2 %
- ***Density:** 1.1 kg/L $\pm$ 5 %
- ***Microsphere size:** 60 μ m
- ***Thermal conductivity:** 0.0187 W/m·K (3 coats)
- ***Microsphere thermal conductivity:** 0.0404 W/m·K
- ***VOC:** Maximum content 1.80 g/L
- ***Heat flow test:** Up to 79 % reduction
- ***Thermal reduction:** Between 3 and 7 °C (3 coats)
- ***Water vapour permeability:** Class I – Permeable to water vapour [EN 1504-2]
- ***Viscosity:** 60,000 cps $\pm$ 5,000 at 22 °C (2.5 rpm, sp-5) [Brookfield LTV]
- ***Reaction to fire:** M1 [UNE 23721]
- ***Artificial ageing (3,000 cycles):** No changes in appearance, cracking, flaking, blistering or loss of adhesion [UNE-EN ISO 11507]



APPLICATION METHOD

Stir the product thoroughly in its original container, either manually or using a low-speed electric mixer.

***First coat:** Dilute with 10–15 % water.

***Second and third coats:** Maximum 5 % dilution.

Allow a minimum drying time of 6 hours between coats in summer and 8 hours in winter.

Application may be carried out using a wool roller, brush or spray equipment.

***Spray application:** Dilute approximately 10 % with water. Use a 2–2.5 mm nozzle. Nozzle pressure: 75 bar.

For effective thermal insulation, the application of three coats is recommended. A minimum dry film thickness of 1 mm should be achieved.

The substrate must be clean and completely dry. Remove any moss or efflorescence beforehand. On dusty, sandy or poorly adhered painted surfaces, scrape and brush thoroughly and apply **TECPINT PRIMER** before TERMOIMPER, allowing 6–8 hours drying time.

Do not allow foot traffic on the coating until at least one week after application.

Do not apply if rain or frost is forecast, or during peak sunlight hours.

To achieve proper waterproofing and thermal insulation performance, the recommended consumption is between 800 g and 1 kg per m², depending on the final thickness applied. Lower consumption will proportionally reduce the film thickness.

Provides smooth finishes.

The information contained in this technical data sheet is provided for guidance purposes only, based on our experience and current knowledge. We cannot be held responsible for the consequences arising from the use of the product, as application conditions and circumstances are beyond our control.