



TERMOIMPER ANTIGOTERAS

Elastic thermal-insulating coating for terraces

Description:

Elastic acrylic waterproofing coating with thermal-insulating properties, designed for the protection and finishing of terraces. It stands out for its excellent quality and very low thermal conductivity. It is formulated with hollow-core ceramic nanospheres and reflective pigments.

Applications:

Specifically designed for surfaces exposed to sudden temperature changes. Thanks to its high performance, it is suitable for both vertical and horizontal surfaces in buildings, as well as for decorative elements. It also acts as an effective barrier against concrete carbonation.

Properties:

- High elasticity: does not crack or split due to expansion and contraction of the substrate caused by temperature variations. Effectively bridges cracks and hairline fissures.
- Photo-crosslinking: prevents surface tackiness, significantly reducing dirt pick-up.
- High resistance to weathering and harsh environmental conditions.
- Effective barrier against carbonation due to its high resistance to CO₂ diffusion.
- Beading effect that promotes self-cleaning with rainwater.
- High resistance to alkaline substrates such as cement mortars, concrete, or brick.
- Contains in-film preservative against mould, preventing the formation of fungi and algae.
- Provides effective thermal insulation (heat/cold), minimizing temperature fluctuations through the substrate. Complies with building code requirements for insulating materials.
- Contributes to sound insulation by damping sound waves.
- Sound-absorbing properties that reduce ambient noise.

Technical Data:

- Colour: optical white
- Finish: matt
- Density: 1.1 kg/L $\pm$ 5%
- Microsphere size: 60 μ m
- Thermal conductivity: 0.0404 W/mK
- Solar Reflectance Index (SRI): 87.5
- VOC content: max. 1.80 g/L
- Heat flow test: reduction up to 79%
- Thermal reduction: between 4 and 10 °C (3 coats)
- Vapour permeability: Class I
- Water vapour permeability: Class I (permeable), according to EN 1504-2
- Viscosity: 60,000 cps $\pm$ 5,000 at 22 °C (2.5 rpm, sp-6) [Brookfield LTV]
- Reaction to fire: M1 [UNE 23721]
- Artificial ageing (3000 cycles): no visible changes, no cracking, flaking, blistering or loss of adhesion [UNE-EN ISO 11507]



Application Instructions:

The surface must be clean and dry, free from moss or any other contamination. Check cracks and expansion joints and seal with MASITEC FLEX W. On non-porous substrates such as porcelain tiles, it is recommended to first apply TECNOSTOP CAIDAS and allow it to act for 1 hour to etch the surface and improve adhesion. Rinse and allow to dry for at least 12 hours. On floors subject to regular traffic, a waterproofing mesh should be embedded between the first and second coats.

Three coats are recommended. The first coat should be diluted with 15%–20% water. For the second and third coats, dilution should not exceed 5%.

It can be applied using a roller, brush or spray equipment. It is important to apply in cross coats, overlapping each pass to ensure uniform coverage. A final minimum thickness of 1.5 to 2 mm is recommended. For spray application, dilute with approximately 10% water and use a 2 to 2.5 mm nozzle. Maximum nozzle pressure: 75 atm.

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

Avoid application in rainy or frosty conditions, or during periods of intense sunlight.

Approximate consumption, depending on substrate absorption, is 1 to 1.5 L/m².

