

**Description:**

Thermal insulating acrylic paint for interior use, specially formulated to address issues of condensation and mold growth on walls. Thanks to its microsphere composition, it creates a micro air layer that significantly improves thermal insulation and indoor comfort.

Applications:

Walls and ceilings exposed to temperature fluctuations

Areas affected by condensation and humidity

Exterior walls subject to extreme temperatures or significant thermal variations (cold in winter, hot in summer)

Energy savings through improved retention of indoor temperatures

Reduction of reverberation noise in residential, commercial, and office spaces

Thermal insulation for hot and cold water pipes

Key Features:

Energy efficiency

Effective thermal insulation

Condensation protection

Prevents the growth of bacteria, mold, and fungi

High resistance to moisture

Odorless – Low VOC content: 10 g/l

Suitable for both interior and exterior use

Water-based

Thermal conductivity: 0.055 W/m·K (due to insulating microspheres)

Surface Preparation:**New Surfaces:**

Remove any loose or unstable material.

Clean areas affected by mold.

Fill cracks and imperfections with suitable filler.

Previously Painted Surfaces:

If painted with lime wash or tempera, remove completely.

If existing paint is in poor condition, remove damaged areas and apply one coat of primer using TECPINT IMPRIMACIÓN or TECPINT GEL before applying TECPINT TERMIC.

The final finish quality will depend heavily on the surface preparation.

Application:

First coat diluted with 5–15% potable water

Second coat diluted with approximately 0–5%

For north-facing walls or better thermal performance, a third coat is recommended

Can be applied using brush, roller, or spray gun:

Brush / roller: 0–5% dilution

Spray gun: 10–20% dilution

In case of poor adhesion, previously apply our Tecpint Imprimación primer diluted in 5–6 parts water.

Application temperature: between 5 °C and 30 °C

Tool cleaning: with water, before the product dries

Technical Specifications:

Finish: Matt

Whiteness: Very high

Wet abrasion resistance: Class 2 (UNE-EN 13300)

Diluent: Water, Density: approx. 0.97 g/ml

Coverage: 2–4 m²/L

Drying time: after 1 hour

Recoat time: 4 - 6 hours

VOC content: compliant with Directive 2004/42/II(A/a) (75/30), max. 10 g/L

Viscosity: 140 ± 25 PO

Volume solids: 57 ± 1%, Weight solids: 57 ± 1%

Classification according to UNE-EN 13300:

Wet abrasion resistance: Class 2, Contrast ratio: Class 2

Liquid water permeability: W1 (Low), Water vapor permeability: V2 (Medium)

Storage & Recommendations:

Do not clean the painted surface during the first 20 days after application.

Store in a covered area, protected from frost and excessive heat, at temperatures between 5 °C and 35 °C.

Shelf life: up to 24 months from the date of manufacture, provided the container remains tightly closed.