



Transform your project with Suberlev from Falconstema, an innovation in thermal and acoustic insulation.

THERMO FACADES Shield



Technical sheet

DESCRIPTION

Acrylic paint for exterior use, formulated with hollow microspheres and reflective pigments based on nanotechnology. Excellent quality and very low thermal conductivity.

APPLICATION

Recommended for:

- **Seamless thermal correction**, avoiding thermal bridges.
- Protection and exterior decoration.
- **Moisture removal**: minimizes the appearance of mold and fungi on surfaces.

PROPERTIES

- Thermal insulation and anti-condensation, not favoring heat exchange.
- Breathability, avoiding possible condensation.
- Sound absorbing, exerting a sound dampening effect.
- High covering power and easy application.
- Washable.
- Excellent color retention and wet rub resistance.

SURFACES

- Concrete, cement, plaster, BA13, Wood, galvanized steel, mortar, ceramic brick, natural stone, corrugated sheet, monolayer mortar, PVC...
- Paint and coatings in good condition with good adhesion to the substrate.

SURFACE PREPARATION

- The substrate must be perfectly clean, without traces of dust and completely dry. Sand polished surfaces to open pores.
- Sanitize the degraded supports (poorly glued paints, mold, foam...). In case of mold, foam, etc., Clean the surface with water and bleach beforehand, then apply **Fungilev fungicide**.
- Treat possible defects with **Thermal Sealant**. Use mortar to pre-repair areas with major damage.
- Check the strength and anchorage of the support with stability tests.
- Apply **Suber-Fix** on dusty surfaces or with excess absorption, allow to dry for 4 to 6 hours.

INSTRUCTIONS

- **Mixing:** Mix the product well until it is completely homogenized (up to 8-15% clean water can be added if necessary).
- **Application:** Apply with a suitable brush, roller or spray gun. Maximum thickness: 300 - 500 microns.
- **Drying time:** Allow to dry between layers for at least 5 - 6 hours (depending on thickness and humidity).

RECOMMENDED CONSUMPTION

- **0,35 L/m²**
- **Yield:** 5 - 7 m² per litre and layer.
- It is recommended to make 2 - 3 layers, or those necessary to reach 300 to 500 microns of dry layer.

RECOMMENDATION OF USE

- Application temperature between 5 - 45°C
- Do not apply with risk of frost, direct sunlight, strong wind or rain.
- Clean tools with water immediately after application

SALES FORMAT

- 15 L polypropylene Pots. 544.5 kg pallets (33 boxes).
- 4 L polypropylene Pots. 440 kg pallets (100 boxes).
- 4 L polypropylene Pots. 422.4 kg pallets (96 boxes).
- Colour white, See **SUBERLEV Colour Chart** on technical consultation.

STORAGE

The material should **be stored in a cool place**, at a temperature **between 5 and 45°C**, **avoiding direct exposure to sunlight**. **Up to 2 years** from the date of manufacture, in the original container sealed and protected from moisture.

SPECIFICATIONS / TECHNICAL DATA SHEET

- **Color:** White
- **Aspect:** Mat
- **Density:** 1,1 kg/L $\pm$ 5%
- **Microsphere size:** 60 μ m
- **Thermal conductivity of microspheres:** 0,05 W/m K
- **Heat flow test:** Decrease up to 79%
- **Water vapour permeability:** Class I: permeable to water vapour – Standard: EN 1504-2
- **Viscosity:** 60.000 cps 5.000 at 22°C (2.5 r.p.m., sp-6) – Standard: Brookfield LTV
- **Fire response:** M1 - Standard: UNE 23721
- **Artificial aging (3000 cycles):** No change in appearance, no scratches, no exfoliation, no blisters, no loss of adhesion. – Standard: UNE-EN ISO 11507

PRECAUTION

- Keep away from children.
- Prevent the product from sticking and drying on the walls of the container. Lumps would cause gun jams and make application difficult.

STANDARD

Water vapour permeability: EN 1504-2
Viscosity: Brookfield LTV
Reaction to fire: UNE 23721
Artificial aging (3000 cycles): UNE-EN ISO 11507
Certified by AIDICO: UNE-EN 7783/2.
Reaction to fire: UNE 23727:90.
Sound absorption coefficient: UNE-EN ISO 354:2004 LGAI Technological Center
Sound **absorption certificate**: ISO 354:2023

NOTE

SUBERLEV products must be applied by applicators approved by the manufacturer.

The above information is based on our practical experience and laboratory tests. Given the wide variety of construction materials available and the many application methods beyond our control. It is essential to carry out sufficient practical tests and verifications in each case to ensure the compatibility of the product with each specific application.

