



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

THERMAL MASTIC Interior & Exterior



Technical sheet

DESCRIPTION

Ready-to-use putty formulated with acrylic copolymers, natural cork granules, and glass fibers. It provides both thermal and acoustic correction to surfaces.

APPLICATION

Recommended for:

- **Thermal Correction** : For walls with inadequate insulation, thermal bridges at slab fronts, pillars, etc.
- **Moisture & Condensation Issues** : Helps solve mold, fungi, and condensation problems caused by thermal deficiencies.
- **Acoustic Improvement** : Reduces airborne noise, impact noise, and reverberation.
- **Tiling & Grouting** : Suitable for interior and exterior surfaces. Can also be used as a thermal adhesive in ETICS/SATE.
- **Plastering & Smoothing** : Levels out irregular substrates (e.g., popcorn texture, ceramic materials).
- **Facade Protection** : Prevents facade degradation (cracks, dampness, and thermal differences).

PROPERTIES

- Breathable Minimizes the risk of condensation.
- Permeable to Water Vapor Allows moisture to escape.
- Water & Moisture Resistance Ensures long-lasting protection.
- Elasticity Helps prevent cracks due to shrinkage.
- High Adhesion Bonds strongly to various surfaces, even under structural movement, thanks to excellent flexibility.

SURFACES

- **Common Construction :** Surfaces Concrete, cement, gypsum, drywall, wood, galvanized steel, mortar, ceramic brick, natural stone, corrugated metal sheeting, EPS (expanded polystyrene), XPS (extruded polystyrene), single-layer mortar, PVC, glass, porcelain tile, mosaic tile, etc.
- **Existing Paint or Coatings :** Must be in good condition and well-adhered.

SURFACE PREPARATION

- **Clean & Dry :** Ensure the surface is thoroughly clean, free of dust, and completely dry.
- **Repair Damaged Areas :** Remove poorly adhered paint, mold, moss, etc.
- **Dusty or Sandy Surfaces :** Brush thoroughly and apply Suber-Fix as a primer.
- **Cracks :** Widen cracks, remove dust, and apply Suber-Fix. Then apply Thermal Mastic, taking care to avoid air pockets. Use mortar beforehand for severely damaged areas.

INSTRUCTIONS

- **Mixing** : Stir well with a low-speed industrial mixer for 3–5 minutes until a homogeneous paste is achieved. If necessary, add up to 200 mL of clean water per 15 L container.
- **Application** :
 - Spread in very thin layers using a trowel, spatula, or specialized spraying machine.
 - Do not exceed a thickness of 2 mm per layer to avoid cracking.
- **Drying Time** : Allow at least 4–6 hours of drying at 20 °C between layers (time may vary depending on thickness and humidity).
- **Finishing** : Once fully dry, it can be:
 - Painted (with water-based paints)
 - Varnished
 - Sanded (grit 60 - 120)
 - Tiled
 - Left as it is

RECOMMENDED CONSUMPTION

- Approx. 2kg/m² (applied in two or more coats)
- Theoretical Consumption: 1.20 kg/m² per mm thickness

RECOMMENDATION OF USE

- **Application Temperature**: 5 - 45 °C
- **Do Not Apply** :
 - Under risk of frost
 - Indirect sunlight
 - In strong wind or rain
- **Tool Cleaning** : Clean tools with water immediately after use.

SALES FORMAT

- **15 L Polypropylene Pots** (~14.1 kg). Pallets of ~465.3 kg (33 Pots).
- **4 L Polypropylene Pots** (~3.7 kg). Pallets of ~413.6 kg (110 Pots).

STORAGE

Store in a **cool place**, at a temperature **between 5 - 45°C**, away from exposure to sunlight and frost. **Up to 2 years** from the date of manufacture, in the original container sealed and protected from moisture.

SPECIFICATIONS / TECHNICAL DATA SHEET

- **Appearance:** Paste
- **Colour:** Natural cork
- **Density:** 1,06 kg/L 5%
- **pH:** 7,8 ±1
- **Thermal conductivity:** 0,059 W/m.K – Standard: EN 12667
- **Water vapour permeability:** Class I: permeable to water vapour - Standard: EN 1504-2
- **Liquid water permeability:** 0.006 kg/(m².h^{0.5}) < 0.1 kg/(m².h^{0.5}) Met - Standard: UNE-EN 1062-3
- **Direct traction adhesion:** 1.0 MPa – UNE-EN 1542
- **EC Compliance:** Obtained – Standard: UNE-EN 1504-2

PRECAUTION

- Keep out of reach of children.
- Prevent the product from sticking and drying on the container walls (dried lumps may clog sprayers and complicate application). If drying occurs, use an appropriate solvent and/or mechanical methods to remove lumps.
- Follow local and national regulations for waste disposal.
- Not recommended as a final exterior finish—use as a base or intermediate layer.

STANDARD

Thermal conductivity: EN 12667
Water vapour permeability: EN 1504-2
Liquid water permeability: UNE-EN 1062-3
Adhesion by direct traction: UNE-EN 1542
CE Compliance: UNE-EN 1504-2
Sound absorption certificate: ISO 354:2023
CE 17 (Nr. Dop:02) EN 1504-2

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.

