



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

SUBER NEOPOR - S.A.T.E. Board



Technical sheet

DESCRIPTION

An innovative thermal insulation system made up of boards containing encapsulated graphite particles, giving them a characteristic gray color.

APPLICATION

Recommended for:

- Providing thermal insulation for buildings.

PROPERTIES

- Breathable
- Absorbs and reflects infrared radiation
- High thermal insulation values
- Durable over time
- Easy to install
- Lightweight and easy to cut

SURFACES

- Concrete, cement, plaster, plasterboard, fiber cement, wood, galvanized steel, mortar, ceramic brick, natural stone, corrugated sheet metal, expanded polystyrene (EPS), extruded polystyrene (XPS), one-coat mortar, PVC, etc.
- It is recommended to apply on flat surfaces.

SURFACE PREPARATION

- The surface must be perfectly clean, free of dust, mold, grease, paint residues, and completely dry.
- Avoid using high-pressure water and chemical products, as they may create internal humidity that hinders installation.
- Make sure there is no moisture in the substrate; allow sufficient drying time in all areas to be treated.
- Repair damaged areas (cracks, unevenness, etc.) with **Thermal Mastic**.

INSTRUCTIONS

- **Surface Preparation :** Apply the Thermal Mastic with a notched trowel at a coverage rate of 2.2 kg/m² to ensure the boards adhere properly.
- **Placing the Boards :** Install the boards from bottom to top in a staggered pattern.
- **Fixing the Boards :**
 - Anchor the boards with fixing pins.
 - Seal the joints between boards and cover any irregularities caused by the fixing pins with Thermal Filler.
- **Applying Thermal Mastic :** Apply 1 or 2 additional layers of Thermal Filler, depending on the desired finish, to coat the board and provide uniformity and resistance.
- **Final Finish :** Once dry, apply the chosen finishing material.

SALES FORMAT

- **Boards** measuring 500 x 1000 mm
- Available thicknesses:
 - 20 mm (pack of 40 units)
 - 40 mm (pack of 20 units)
 - 60 mm (pack of 12 units)
 - 80 mm (pack of 10 units)

STORAGE

Keep the product in a cool, dry place

SPECIFICATIONS / TECHNICAL DATA SHEET

- **Color:** Grey hard plate
- **Dimensions:** 500 x 1000 mm
- **Thicknesses:** 30 / 40 / 50 / 60 / 80 mm
- **Thermal conductivity:** 0,031 W/m.K - Standard: EN 12667
- **Thermal resistance:** Standard: EN 12667
 - e = 20 mm – 0,65 m² K/W
 - e = 40 mm – 1,29 m² K/W
 - e = 60 mm – 1,94 m² K/W
 - e = 80 mm – 2,58 m² K/W
- **Bending strength:** ≥ 100 kPa - Standard: EN 12089
- **Compressive strength:** 70 kPa - Standard: EN 826
- **Water vapour diffusion resistance factor:** 30 – 70 - Standard: EN 12086
- **Fire resistance:** Euroclass E - Standard: EN 13501 -1

PRECAUTION

- Keep out of reach of children.

STANDARD

Thermal conductivity: EN 12667

Thermal resistance: EN 12667

Flexion strength: EN 12089

Compressive strength: EN 826

Water vapour resistance factor: EN 12086 Fire resistance: EN 13501 -1

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.

