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

NATURAL INJECTED CORK Thermal Insulation

Technical sheet

DESCRIPTION

Granulated natural cork specifically designed for injection into cavities that require both thermal and acoustic insulation.

APPLICATION

Recommended for:

- **Filling Hollow Cavities**: Provides effective thermal insulation.
- **Noise Reduction**: Significantly reduces sound transmission between rooms.
- **Condensation Prevention:** Helps avoid moisture buildup.
- **Indoor Thermal Improvement:**
    - Reduces heat and cold losses.
    - Prevents mold and fungus growth.

PROPERTIES

- Elastic
- Low Thermal Conductivity
- Chemically Inert
- Long-Lasting Durability
- Lightweight
- Breathable

SURFACES

- Pre-Inspection: Assess the condition of the cavity to be filled.
- Sealing: Ensure the cavity is hermetically sealed to prevent material dispersion.

INSTRUCTIONS

- **Inspection & Measurement** : Inspect the cavity and calculate the required cubic volume of cork.
- **Drilling the Holes** :
    - Drill holes with a bit the same size or larger than the injection gun nozzle.
    - Position holes about halfway up the wall and near the top, spaced roughly 0.80 m apart.
    - Plug each hole with a sponge to allow air to escape but keep the product inside, ensuring quick injection with minimal dust.
- **Injection :**
    - Start injecting from the lower part of the wall.
    - Once the lower area is filled, move to the next hole.
    - Useabasic setup with an air compressor (minimum flow of 200 L/min), air hose, and a SUBERLEV injection gun.
    - Agravity-type gun with a hopper is recommended for more efficient product application.
    - High-performance industrial injection machines can also be used.
- **Compaction** : Lightly tap the lower areas of the wall with a rubber mallet to compact the material.
- **Sealing the Holes :** Fill or seal the drilled holes using putty or other appropriate materials.

RECOMMENDED CONSUMPTION

- Determine the volume of the cavity in liters to calculate the amount of cork needed.
- Add **10 to 15%** extra product to compensate for compaction within wall partitions and internal voids.

SALES FORMAT

- **250 L** Bags

STORAGE

Store and transport in a cool, dry place, for **up to 1 year** from the date of manufacture. Keep in its original, sealed packaging, protected from moisture

SPECIFICATIONS / TECHNICAL DATA SHEET

- **Appearance:** granular
- **Grain size:** 2.00 – 4.00 mm
- **Density: 65 kg/m^3**
- **Thermal conductivity:** 0.043 W/m.K - EN 12667
- **Water absorption by volume:** 0.17 kg/m^2
- **Fire resistance:** Euroclase E
- **Fire performance:** Flame retardant, starts to burn 250°F (121.11°C)
  Does not produce toxic gases.
- **Insect and rodent resistance:** unalterable
- **Linear expansion and contraction:** Does not contract. Does not expand.

PRECAUTION

- **Dust Inhalation**: Do not inhale product dust; it can irritate respiratory pathways. Wear masks, gloves when handling and applying.
- **Humidity**: Avoid contact with water or extremely humid conditions to prevent hardening or clumping before injection.

*No special handling precautions are otherwise required.

STANDARDS

Thermal conductivity: EN 12667
Certificat of acoustic absorption: ISO 354 :2023
CE 1130-cpd-1501/08

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.

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