

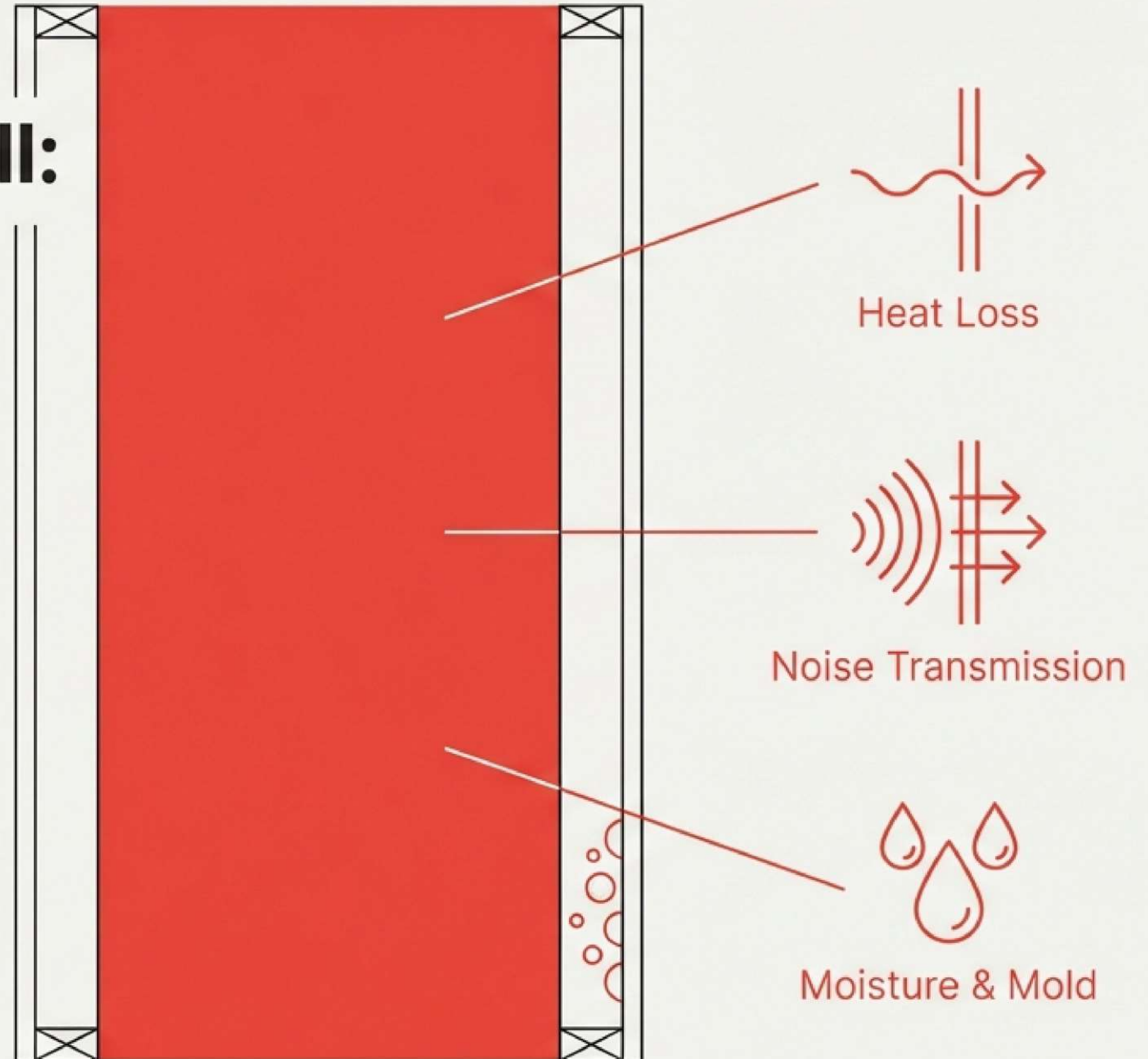


Redefining Insulation: High-Performance Solutions for Modern Construction.

An expert guide to Suberlev's insufflated insulation systems.

The Hidden Compromise in Every Wall: Hollow Cavities.

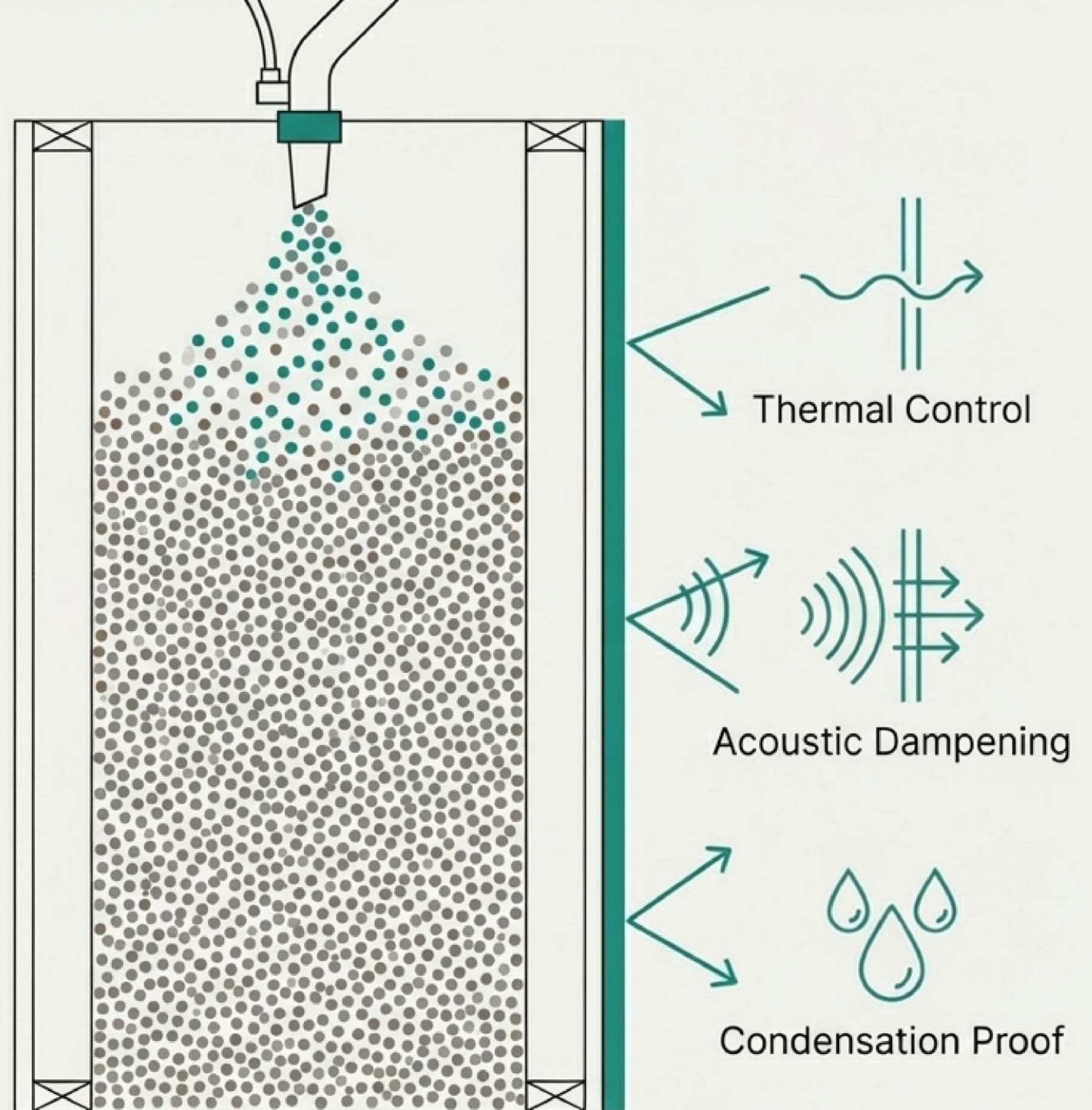
Uninsulated voids within partitions and ceilings are the primary points of failure in a building's thermal and acoustic envelope. They create thermal bridges, amplify noise transmission, and become breeding grounds for condensation and mold.



The Solution is Insufflation: Complete, Continuous, and Non-Invasive.

Blow-in insulation completely fills hollow chambers, creating a monolithic barrier with no gaps, joints, or thermal bridges.

This method ensures maximum performance with minimal disruption to existing structures.



Two Specialized Solutions. One Superior Method.

Every project has unique demands. Suberlev provides two distinct blow-in insulation products, allowing you to specify the perfect solution based on performance, sustainability, and application requirements.



Neolev Insufflated EPS

The High-Performance Synthetic



Blown-in Natural Cork

The Sustainable Performer



Neolev Insufflated EPS: Maximum Thermal Efficiency.

Expanded Polystyrene with encapsulated graphite for elite thermal and acoustic control.

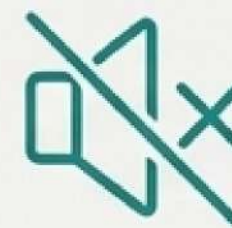
Key Specifications

- Thermal Conductivity: 0.031 W/m·K (EN 12667)
- Nominal Density: 15 kg/m³
- Grain Size: 3 – 5 mm
- Fire Safety: Euroclass E (Hardly Flammable)
- Dimensional Stability: < 0.5% (UNE EN 1603)

Core Benefits



Peak Thermal Insulation:
Drastically reduces heat
and cold transfer.



Acoustic Comfort:
Significantly dampens
sound transmission.



Moisture Defense:
Prevents condensation,
mold, and fungus growth.

Blown-in Natural Cork: The Sustainable Choice for Healthy Buildings.

100% natural, breathable, and durable insulation for energy-efficient renovations.

Key Specifications

- **Thermal Conductivity:** 0.043 W/m·K (EN 12667)
- **Density:** 55 kg/m³
- **Grain Size:** 2 – 4 mm
- **Water Absorption:** Low (0.17 kg/m²)
- **Composition:** 100% Natural Granulated Cork

Core Benefits



Sustainable Material:
Ideal for green building projects.



Breathable & Healthy:
Regulates humidity, prevents condensation, and improves indoor air quality.



Naturally Durable:
Resistant to insects, rodents, and degradation over time. Chemically inert.



The Specifier's Dashboard: Neolev EPS vs. Natural Cork.

Feature	Neolev Insufflated EPS	Blown-in Natural Cork
Primary Benefit	Maximum Thermal Performance	Sustainability & Breathability
Thermal Conductivity	0.031 W/m·K	0.043 W/m·K
Density	15 kg/m ³	55 kg/m ³
Composition	Graphite-infused EPS	100% Natural Cork
Fire Rating	Euroclass E	Not Specified
Key Advantage	Elite energy efficiency	Natural, healthy, moisture-regulating

Matching the Material to the Mission.

Use this guide to select the ideal Suberlev insulation for your specific application.

Specify Neolev Insufflated EPS when...

- The primary goal is achieving the lowest possible U-value.
- The project demands maximum thermal insulation in a limited cavity space.
- A lightweight solution is critical.

Specify Blown-in Natural Cork when...

- The project requires natural, sustainable, or green-certified materials.
- The building has existing issues with mold, mildew, or indoor condensation.
- Improving both thermal and acoustic comfort in partitions or false ceilings is key.
- The project is an energy-efficient renovation focused on indoor air quality.

The 5-Step Insufflation Process: Precise and Efficient

1



Inspect

Assess and measure the cavity. Ensure it is sealed to prevent material dispersion.

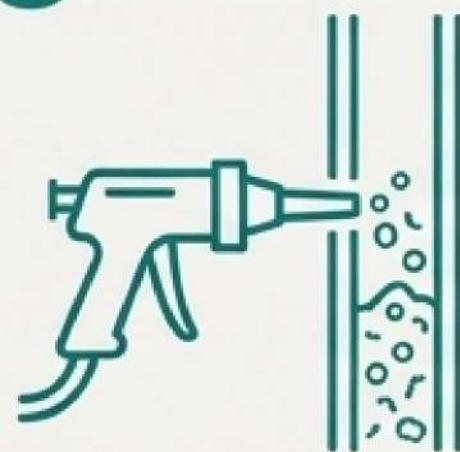
2



Drill

Create injection holes (~0.80 m apart) sized for the nozzle. Plug with a sponge to allow air to escape while containing the material.

3



Inject

Using a Suberlev gun or industrial machine, blow in the material, starting from the lowest point and working up.

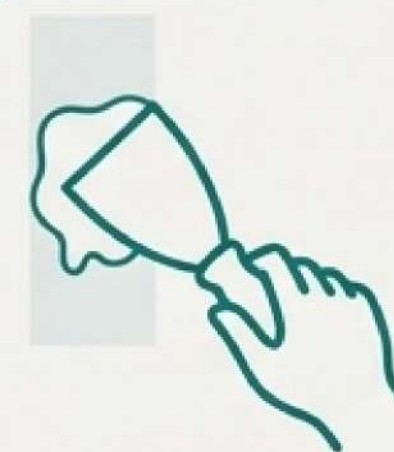
4



Compact

Lightly tap the wall exterior with a rubber mallet to ensure the material settles completely, eliminating voids.

5

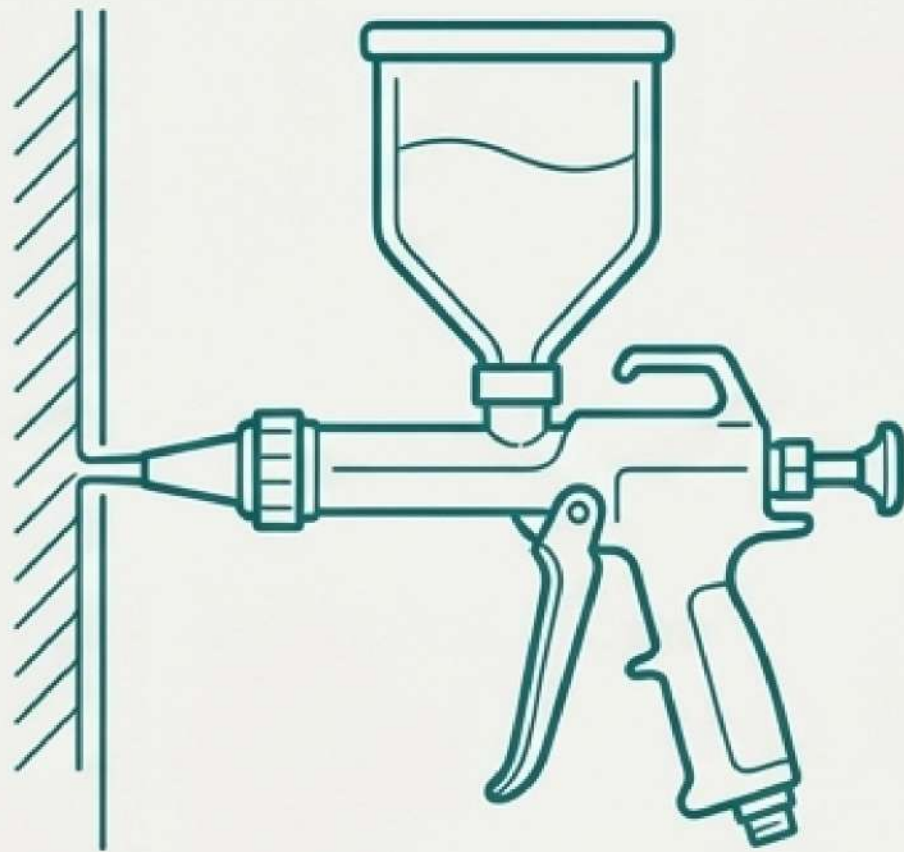


Seal

Fill and finish the drilled holes with putty or other appropriate materials for a seamless finish.

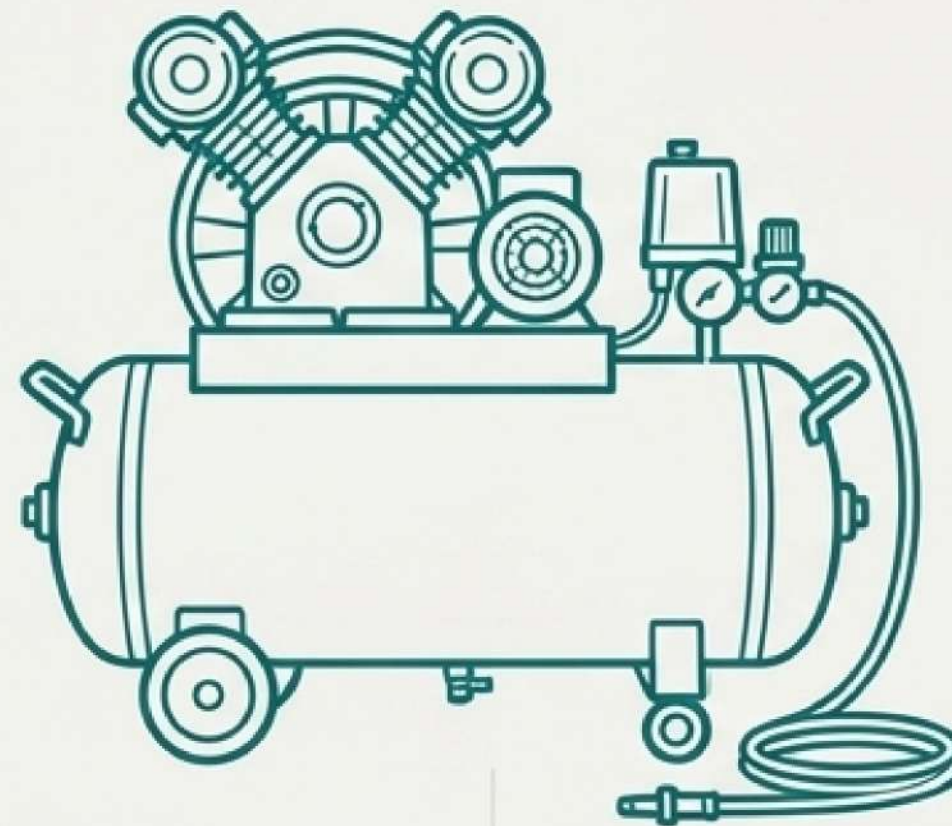
Professional Tools for a Perfect Fill.

Suberlev systems are applied using specialized equipment to ensure speed, cleanliness, and optimal density.



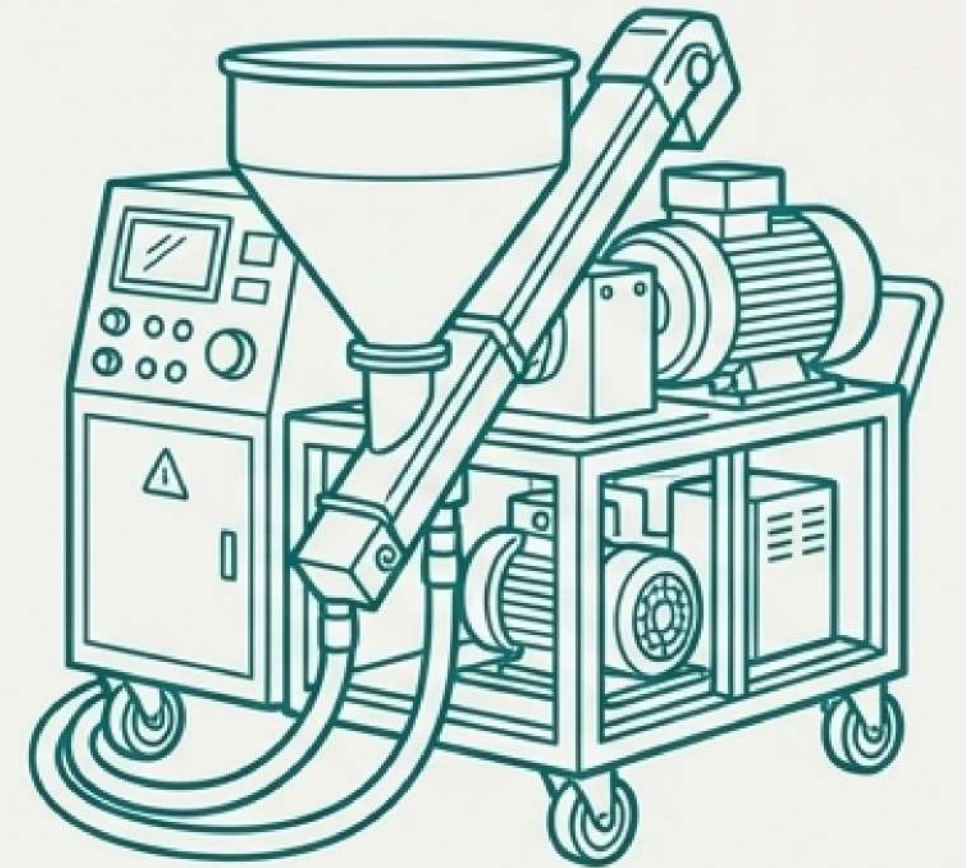
Suberlev Injection Gun

Highlight the gravity-type gun with hopper for efficient application.



Air Compressor

Specify minimum requirement:
200 L/min flow.



Industrial Machines

Mention that high-performance industrial injection machines can also be used for large-scale projects.

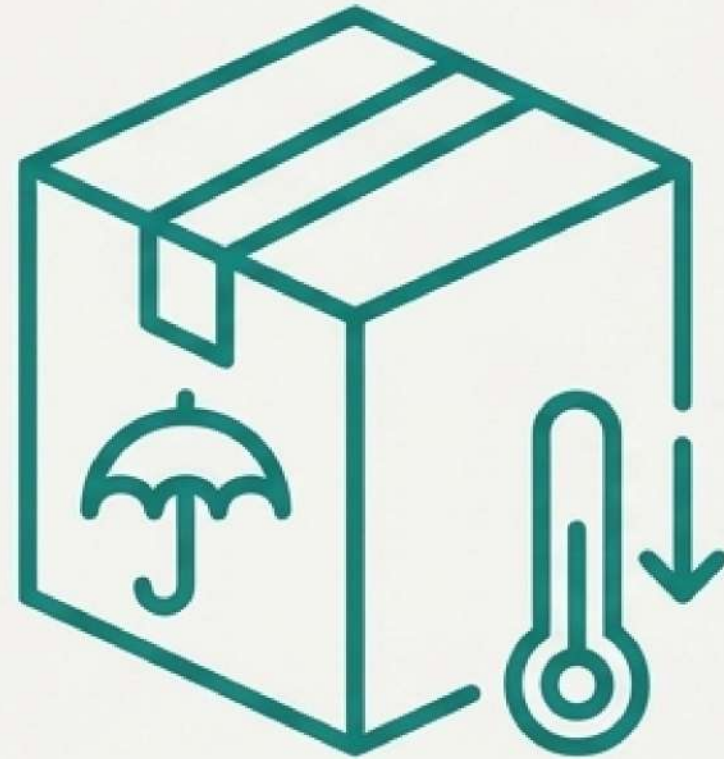
Safety and Handling Protocols.

Ensure a safe and effective application by adhering to these protocols.



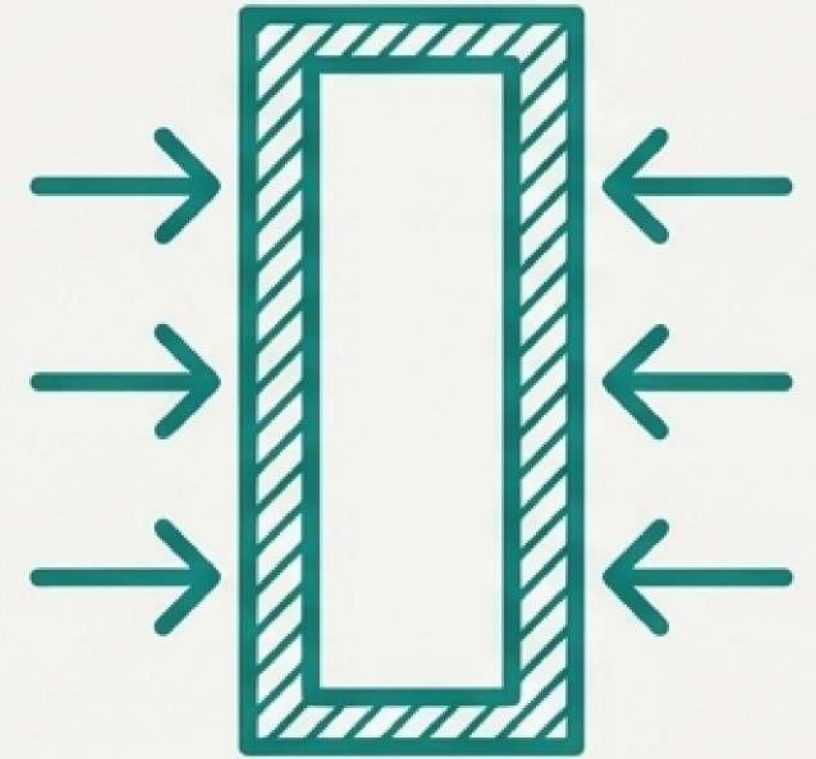
Personal Protective Equipment (PPE)

Applicators must wear masks, gloves, and safety goggles to prevent dust inhalation and irritation.



Material Storage

Keep product in a cool, dry place. Avoid contact with water or extreme humidity before injection to prevent clumping.

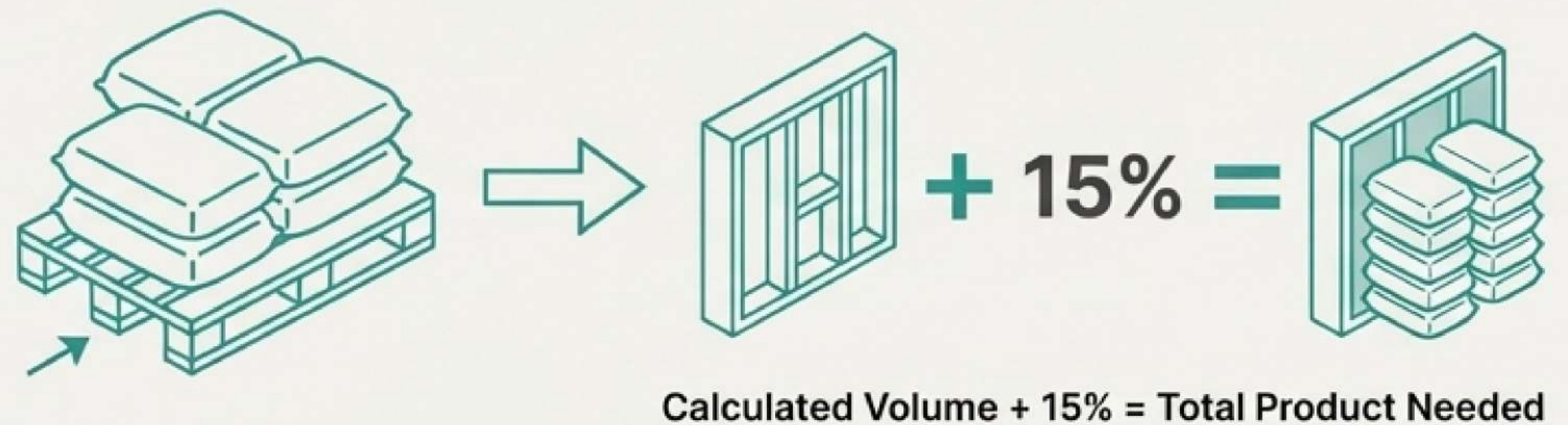


Site Preparation

Ensure the target cavity is hermetically sealed to prevent any material from escaping into unintended areas.

Project Planning: Estimation and Logistics.

- **Packaging:** Products are supplied in 500 L bags.
- **Transport:** 1 pallet = 4 bags = 2 m³.
- **Volume Calculation:** Determine the total volume of the cavity in liters (or m³).
- **Compaction Factor:** **Crucially, add 10-15% extra product** to your calculation to compensate for compaction within the wall, ensuring a complete fill.



Certified Performance. Guaranteed Quality.

Suberlev products are rigorously tested to meet European standards, ensuring reliable performance when installed correctly.



CE Marked: Confirms conformity with health, safety, and environmental protection standards.

EN 12667: Standard for determining thermal resistance.

UNE EN 1603: Standard for determining dimensional stability.

SUBERLEV products must be applied by applicators approved by the manufacturer to ensure optimal performance and warranty.

Help Us Help You

Innovation in Protection.



The information provided is based on extensive practical experience and laboratory testing.
We recommend practical tests to ensure compatibility for each specific application.



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