

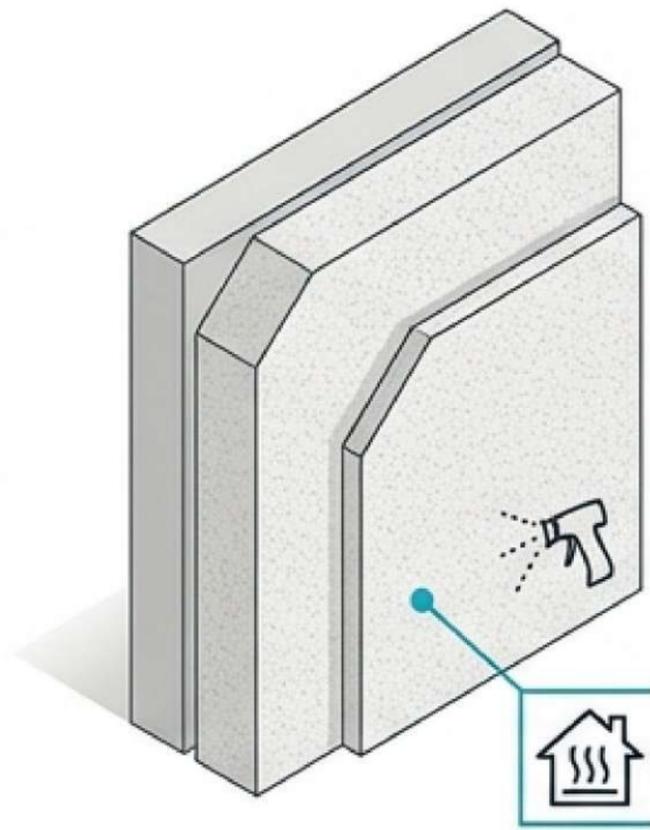
Thermolev Eco S.A.T.E. Thermal Mortar Application Guide

The Foundation of the Mineral S.A.T.E.
System

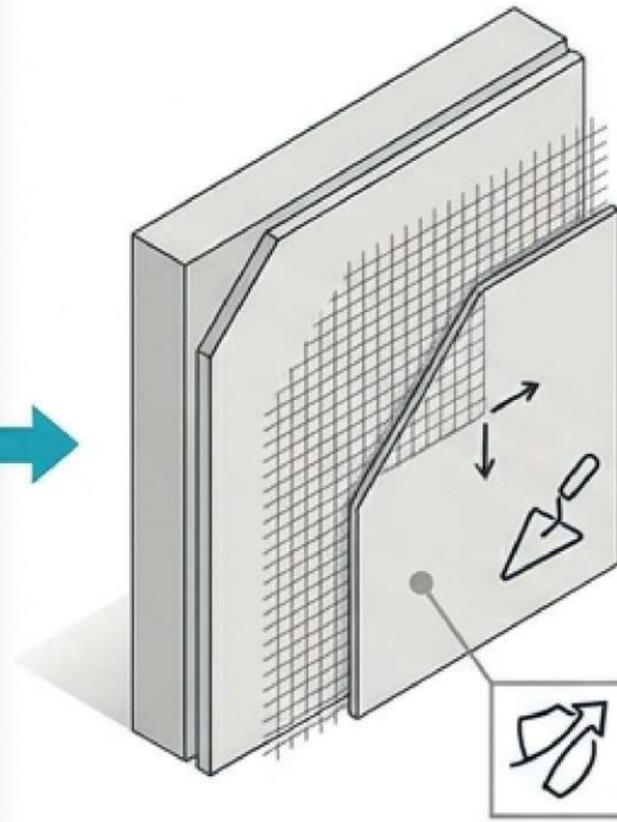


Lime-based mortar with thermo-expanded volcanic rock and 80% recycled EPS beads.

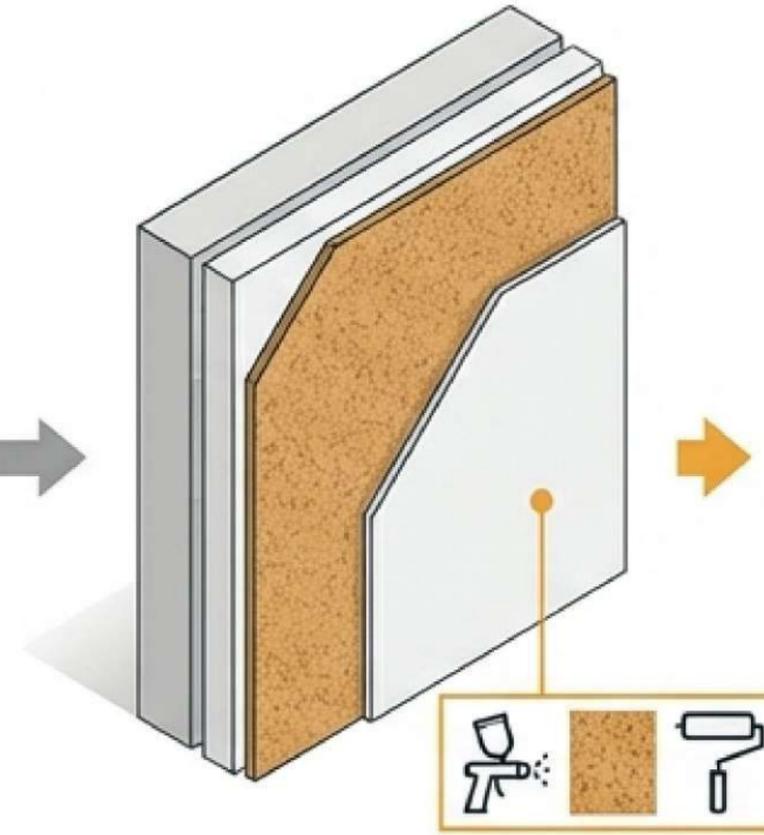
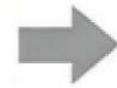
The Mineral S.A.T.E. Workflow



Step 1
Thermolev Eco
(Insulation & Leveling)



Step 2
Flexilev Eco
(Reinforcement)



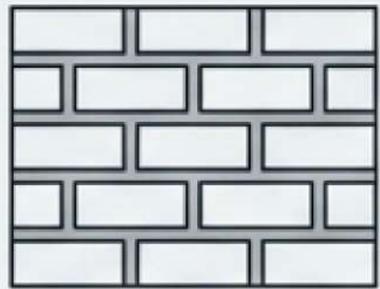
Step 3
Finish
(Cork/Paint)



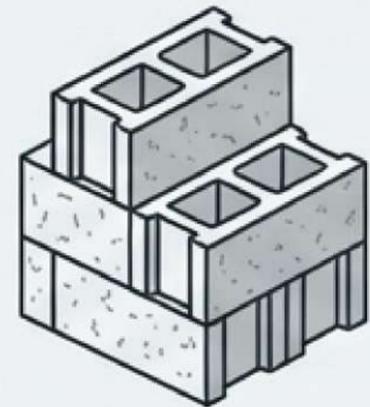
A sprayed thermal mortar system. Adapts to any surface, creates no joints, and requires no primer on mineral surfaces.

Substrate Compatibility & Preparation

Compatible Materials

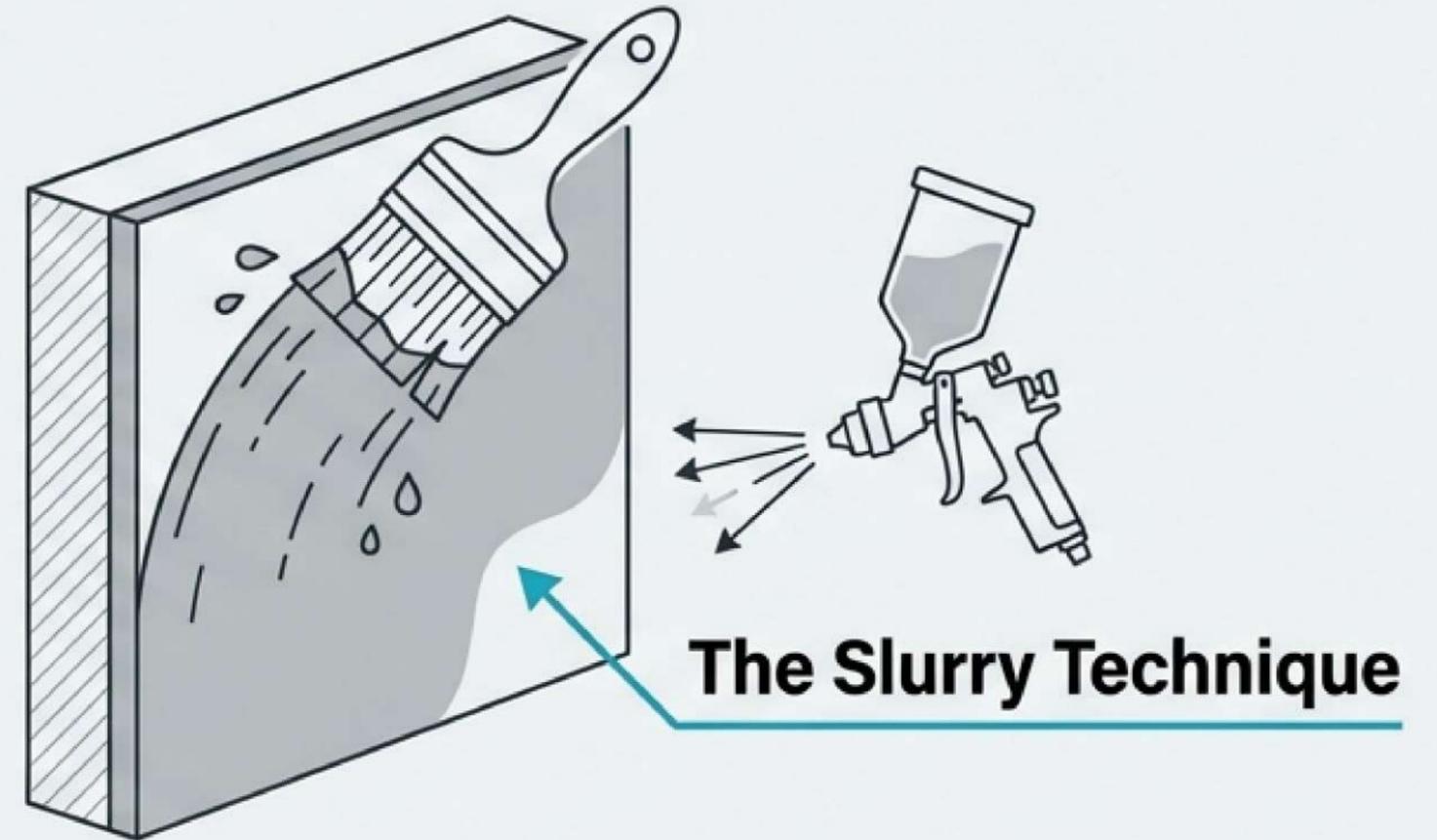


Masonry / Brick



Cement /
Concrete Blocks

Mineral Origin Only.
Surface must be firm, clean,
compact, and absorbent.



-  **Standard Prep:** Moisten the substrate with clean water before application.
-  **For Adhesion:** Apply a slurry (Thermolev + Water) to fill pores and improve grip for the first layer.

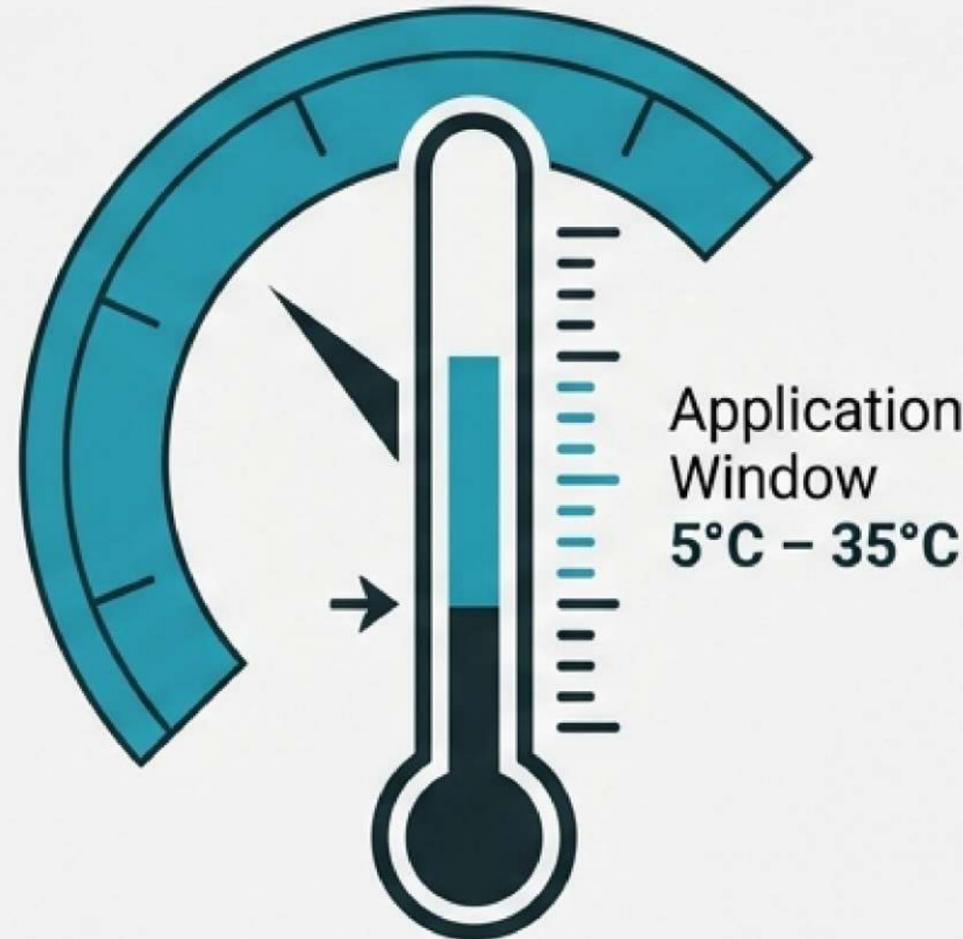
Environmental Constraints



Risk of frost



Strong wind



Direct sunlight exposure

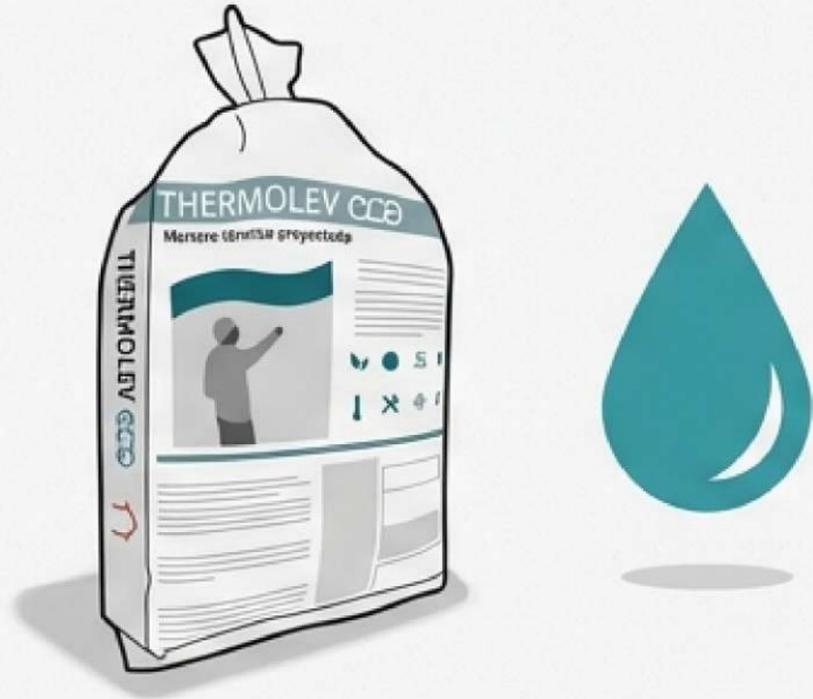


Rain

Note: Avoid working in conditions that force rapid drying during the curing phase.

Mixing Protocols

Recipe A: The Application Paste



Mix 15–18 Liters of water per 50L Bag.
Goal: A dense, homogeneous paste.

Recipe B: The Priming Slurry



Mix 30 Liters of water per 50L Bag.
Goal: Fluid consistency for pore filling.

**Do not add water during the application process
once the product is mixed.**

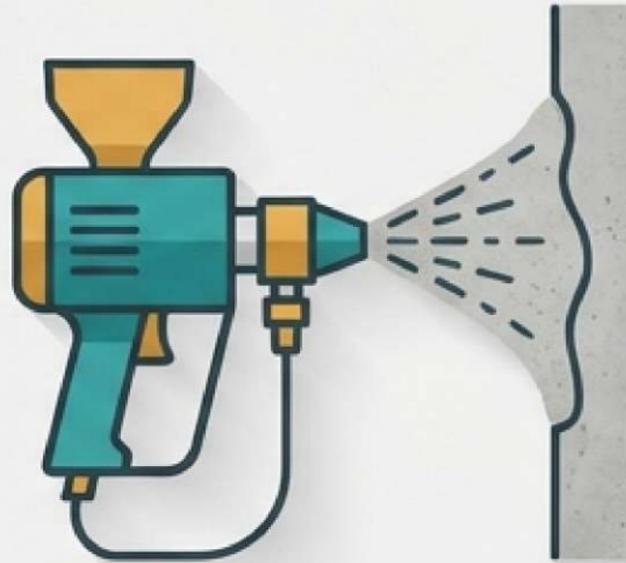
Application Methodology

Manual Application



Apply using a plastic trowel. Use spatulas or aluminum profiles for corners and edges.

Mechanical Application



Use specialized projection machines (e.g., Suberlev equipment).



Layer Thickness:
3–4 cm per pass.

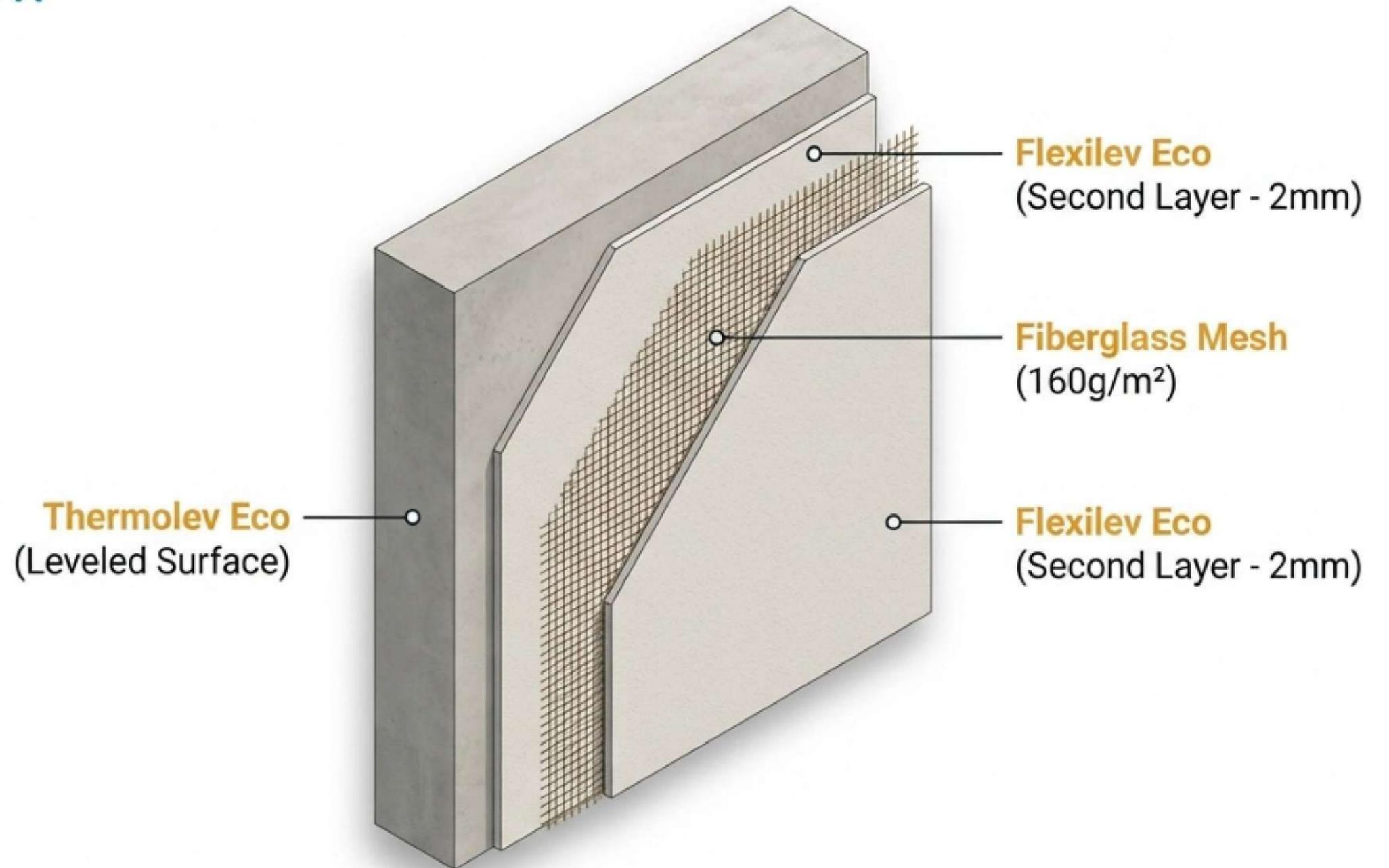


Yield: 2.0 – 2.3
kg/m² per cm of
thickness.

Leveling & Reinforcement

Post-Application Workflow

Once Thermolev Eco is set, the surface must be reinforced to prevent cracking and ensure weather resistance.



Technical Specifications

Label	Value
Thermal Conductivity	0.05 W/m[°]K (EN 12667)
Volumetric Mass	220 kg/m³ ± 20
Reaction to Fire	Euroclass B - s1 - d0
Permeability	Breathable, non-water-absorbing (Water Vapor $\mu \leq 8.7$)
Adhesion	≥ 0.06 MPa

Certification: CE Marked (UNE-EN 998-1) 

Maintenance & Storage



Tool Cleaning: Wash immediately with water. Dried residue requires mechanical removal.



Storage: Store in a cool, dry place (5-45°C). Protected from moisture moisture and frost.



Shelf Life: Up to 2 years in original sealed container.



Joints: Plan interruption lines for large surfaces near joints, downspouts, or corners.

Help Us Help You

Innovation in Protection.



The information provided is based on extensive practical experience and laboratory tests.
Practical tests are recommended to ensure compatibility for each specific application.