

STORAGE OF THERMAWOOL MINERAL WOOL INSULATION

Best-practice handling and storage that preserves the thermal, acoustic, and mechanical performance of THERMAWOOL products from delivery through installation.

MATERIAL & COMPOSITION

THERMAWOOL is engineered from molten volcanic rock and recycled process by-products, formed into a durable, inorganic fiber matrix. Because it is inorganic, the material does not support mold growth or degrade under UV exposure. Prolonged sunlight may cause minor surface discoloration — a cosmetic effect only, with no bearing on thermal or mechanical performance.

MOISTURE & PERFORMANCE

Products are water-repellent yet vapor-open, with a typical water-vapor resistivity of $5 \text{ MN} \cdot \text{s} \cdot \text{g}^{-1} \cdot \text{m}^{-1}$. Any product that becomes wet must be fully air-dried before installation; provided it has not been damaged, contaminated, or freeze-thaw cycled, it returns to rated performance once dry. Avoid freeze-thaw cycling, which can alter fiber structure and mechanical integrity. Where moisture or debris has become embedded, discard and replace the affected material rather than reusing it.

FACTORY PACKAGING

Factory packaging protects THERMAWOOL insulation during transport and brief job-site staging. It is not engineered for weatherproof, extended outdoor storage — relying on factory wrapping alone in prolonged outdoor conditions will lead to product degradation.

RECOMMENDED STORAGE PRACTICES

- 01 Store indoors** — a clean, dry environment with factory packaging intact until time of use.
- 02 Cover if outdoors** — if unavoidable, perforate the factory wrap to release trapped moisture, then cover with a secured, breathable membrane (e.g., tarpaulin) that still allows airflow underneath.
- 03 Elevate $\geq 102 \text{ mm}$** — raise product at least 102 mm (4 in.) above grade on a solid, level surface to prevent ground-moisture uptake.
- 04 Keep clear of water** — never store where flooding or standing water may occur, particularly where that water may be contaminated.