

MODseal CS

Expanded Insulation Corkboard / Cork Sheet



Product Catalogue



Product Description

MODseal CS is a 100% natural, additive-free, expanded insulation corkboard that offers long-term thermal and acoustic insulation. Designed for sustainable performance, it provides dimensional stability, excellent breathability, and contributes to healthier living environments.

Product Advantage

MODseal CS delivers consistent thermal and acoustic performance, excellent mechanical properties, and high durability without deterioration over time.

- Excellent thermal and acoustic insulation performance.
- High dimensional stability and system inertia.
- Durable for 50–60 years without loss of features.
- Fully natural and additive-free.
- Totally recyclable and carbon negative (CO₂ sink).
- Excellent breathability for healthier indoor air quality.
- Comfort-enhancing, sustainable insulation.
- Energy-saving performance over long term.

Product Typical Use

Ideal for energy-efficient insulation with soundproofing properties in modern construction and renovation systems.

Recommended for:

- Thermal and acoustic insulation in metal stud wall cavities.
- Traditional external wall renovation systems.
- Applications requiring sustainable and breathable insulation.

Product Application

Installation must be carried out in accordance with best practice for insulation board application. The substrate should be clean, stable, and dry. Boards should be cut to size using appropriate cutting tools and fixed either by mechanical means or with suitable adhesives depending on the application.

Ensure complete coverage and alignment when filling cavities or insulating surfaces. Allow expansion joints if specified. For external wall applications, use compatible weather-resistant finishes or systems.

Post-Application Considerations: Protect installed boards from prolonged exposure to moisture until overcoating or cladding is completed. Ensure adequate ventilation during indoor installation

Environmental Conditions:

- Apply in dry weather conditions
- Avoid installation under direct rain exposure
- Store under covered and ventilated space

Health & Safety

Product is 100% natural and non-toxic.

No harmful emissions affecting indoor air quality.

Use gloves and mask when cutting to avoid inhalation of fine dust.

Packing & Size

Packaging: Supplied in sheet form (bundled).

Available Color: Natural dark brown cork.

Standard Size: 1000 mm x 500 mm.

Standard Thickness: 25 mm and 50 mm.

Custom Sizes/Thickness: Available on request (up to 320 mm).

Storage & Material Handling

Store flat in a clean, dry, shaded area.

Avoid stacking that may deform board edges.

Indefinite shelf life when stored properly.

Product Picture (For Illustration)



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Product Technical Properties

Properties	Units	Result	Test Method
Airborne Sound Insulation	dB	50–55 dB	ISO standards
Density	kg/m ³	110–120 kg/m ³	–
Thermal Conductivity	–	Not specified (Low value)	Values available on request
Compression Resistance at 10%	–	Excellent	–
Dimensional Stability	–	Excellent	Long-term performance
Fire Resistance	–	Euroclass E	EN 13501 - 1

Note: All values are subject to a tolerance of ±5–10%.



Note

- This Technical Data is the average results of tests, measurements and trials carried out by Modern Seal Group (MSG) own laboratory and AMST laboratories according to international standards such as ASTM, B.S and UEAtc.
- This product data sheet supersedes all previous data publications pertaining to this product.
- All the time of manufacturing, handling, storage, and shipping may change these properties.

Our Other Products & Range

- Primers all type
- Membrane all type & thickness
- Protection Board all type & thickness
- Geotextile (Non-Woven & Woven) all type & thickness

- Polystyrene / Insulation board all type & thickness
- Sealants all type
- Aluminum Flashing all type & thickness
- Filler / Bitumen Board all type & thickness
- Acrylic / Rubberized / Cementitious / Acrylic Cementitious / Polyurethane / Crystalline Coatings all type
- Water stoppers all type & thickness
- Dam proofing all type & thickness
- Polyurea / PU Foam
- Rockwool/Glasswool all type & thickness
- Polythene Sheet all type & thickness
- PP / Carton Board all type & thickness
- Injection Packer & Pump
- Geogrid all type & thickness
- Geocell all type & thickness
- Salt Barrier all type & thickness
- Root Barrier all type & thickness
- Root Guard all type & thickness
- Drainage Cell all type & thickness
- Backing/Foam rod all type & thickness
- Tile Glue
- Tile Grout (cementitious or Epoxy)
- Tile & Gravel
- GRP lining material
- HDPE/Geo-membrane Lining material
- Fiber Mesh all type & thickness
- Cloth Mesh all type & thickness

