



TECHNICAL DATA SHEET

Tekboard MR (Moisture Resistant Plasterboard)

Square Edge and Tapered Edge

Product overview

Tekboard MR is a moisture-resistant gypsum plasterboard for internal wall, lining and ceiling systems in humid environments. Its treated gypsum core contains moisture-repellent additives that help limit water absorption and reduce the risk of swelling, warping and deterioration during normal service conditions.

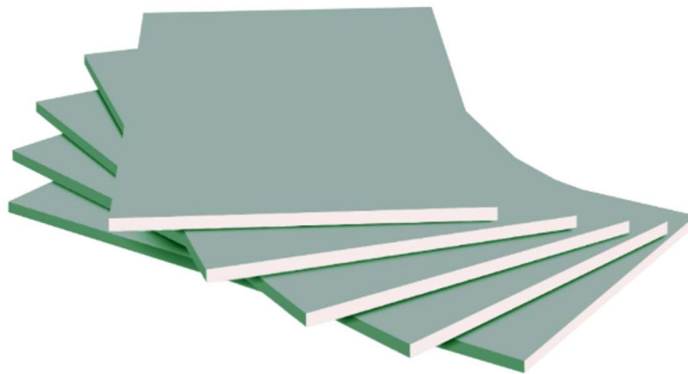
Product range

Product	Edge	Thickness	Board size	Nominal weight*
Tekboard MR - SE 12.5	SE	12.5 mm	2400 x 1200 mm	23.3 kg
Tekboard MR - SE 15.0	SE	15.0 mm	2400 x 1200 mm	28.0 kg
Tekboard MR - TE 12.5	TE	12.5 mm	2400 x 1200 mm	23.3 kg
Tekboard MR - TE 15.0	TE	15.0 mm	2400 x 1200 mm	28.0 kg

*Calculated from the stated 12.5 mm mass of 8.1 kg/m² and prorated by thickness. Figures are rounded to the nearest 0.1 kg.

Applications

- Bathrooms, washrooms and other humid internal areas
- Kitchens, cafeterias and restaurant back-of-house areas
- Reception, conference and meeting rooms
- Commercial offices, showrooms and retail interiors
- Moisture-resistant partition and wall-lining systems
- Suspended and direct-fix ceiling systems in suitable internal environments



Features and finishing

- Easy, dry installation
- Treated gypsum core designed to limit moisture absorption
- Helps resist swelling, warping and deterioration in humid internal conditions
- Suitable for wall, lining and ceiling applications
- Durable and reliable for residential and commercial interiors
- Gypsum-based board suitable for recycling where appropriate facilities exist
- Compatible with standard jointing and decorative finishing systems

Product specification

Parameter	Specification
Standard board size	2400 x 1200 mm
Nominal board area	2.88 m ²
Thickness options	12.5 mm and 15.0 mm
Edge options	Square edge (SE) and tapered edge (TE)
Nominal density	640 kg/m ³
Mass per unit area	12.5 mm: 8.1 kg/m ² 15.0 mm: 9.7 kg/m ² *

*The 15.0 mm figure is prorated from the stated 12.5 mm mass per unit area. Calculated figures are rounded and may vary within normal manufacturing tolerances.

Surface finishing

Finish	Guidance
Paint	Suitable water-based or oil-based paint systems, following preparation and primer requirements.
Wallcoverings	Suitable for wallpaper, vinyl and decorative cladding systems, subject to the finish manufacturer's instructions.
Jointing	Use a compatible jointing compound and reinforcement system. The board may also receive an appropriate skim coat.

Moisture resistance

Correct application

Tekboard MR is moisture resistant, not waterproof. It is intended for suitable internal humid environments and must not be used as a substitute for a specified tanking membrane, waterproofing system or external sheathing. Protect the board from direct or prolonged water exposure and follow the complete system design for wet zones.

Physical properties

Nominal physical and dimensional properties for Tekboard MR moisture-resistant plasterboard.

Property	Unit	Value	Test standard
Density	kg/m ³	640	EN 520+A1
Weight per unit area - 12.5 mm	kg/m ²	8.1	EN 520+A1
Weight per unit area - 15.0 mm*	kg/m ²	9.7	EN 520+A1
Length	mm	2400	EN 520+A1
Width	mm	1200	EN 520+A1
Depth of taper	mm	1.6	EN 520+A1
Width of taper	mm	49	EN 520+A1
Squareness of edges	mm	1.5	EN 520+A1
Core hardness	N	145	EN 520+A1
Edge hardness	N	130	EN 520+A1
End hardness	N	135	EN 520+A1
Flexural strength - longitudinal	N	565	EN 520+A1
Flexural strength - transverse	N	220	EN 520+A1
Nail pull strength	N	375	EN 520+A1
Total water absorption	%	8	EN 520
Surface water absorption	g/m ²	182	EN 520+A1

*The 15.0 mm mass per unit area is prorated from the stated 12.5 mm value. Other values are nominal and may vary within normal manufacturing tolerances.

Standard and conformity reference

Product standard: EN 520+A1 - Gypsum plasterboards: definitions, requirements and test methods.

Installation recommendations

- Check boards before installation and do not use units that are wet, distorted or significantly damaged. Confirm the supporting frame or substrate is dry, secure and straight before fixing begins.
- Plan board orientation and joint positions before installation. Support board edges and stagger joints between layers where required by the system design.
- Confirm that the selected complete system is suitable for the expected humidity, exposure category and service conditions before installation.
- Score and cut from the face side using suitable tools. Snap the board cleanly, cut the reverse liner and smooth cut edges where necessary.
- Control dust when mechanically cutting or sanding. Use suitable extraction, ventilation and personal protective equipment identified by the task risk assessment.
- Use the correct drywall screws for the frame type, board thickness and number of layers. Drive screws square, just below the liner surface, without breaking the paper face or damaging the core.
- Follow the fixing centres, edge distances, screw penetration and perimeter details in the approved wall or ceiling system specification.
- Maintain specified movement joints, deflection details, perimeter gaps and service openings. Do not bridge structural movement joints with plasterboard.
- Use moisture-resistant jointing materials, sealants, primers and finishes where required. Seal cut edges, perimeters, penetrations and junctions to prevent water tracking behind the boards.
- In shower areas and other wet zones, install the specified waterproofing or tanking system before tiling or applying the final finish.
- Provide adequate ventilation and address leaks, condensation and persistent dampness. Do not rely on the board alone to manage moisture within the building.
- Treat tapered joints with compatible joint tape and jointing compound. Allow each coat to dry and finish in accordance with the compound manufacturer's instructions.
- Protect finished work from impact, moisture and excessive loading. Do not attach fixtures or imposed loads without suitable support or approved fixings.

System responsibility

Tekboard MR is one component within a complete dry lining system. Framing, fixings, jointing materials, seals, waterproofing and finishes must be selected and installed to the relevant approved system specification, exposure conditions and project requirements.

Storage and handling

- Plan deliveries so boards are unloaded as close as practicable to the point of use, with clear access routes and suitable handling equipment available.
- Avoid unnecessary manual handling. Use mechanical aids, lifts or board trolleys wherever reasonably practicable and follow the site manual-handling assessment.
- Store boards flat on a firm, level base using adequate continuous supports or a purpose-designed rack. Do not leave large quantities leaning vertically where they could fall.
- Keep stacks stable, aligned and within the safe load capacity of the floor, pallet, supports and storage equipment.
- Store in a dry, covered and well-ventilated area, raised clear of the ground and protected from rain, standing water, condensation and prolonged direct sunlight.
- Keep protective wrapping in place until required, but prevent trapped moisture and maintain ventilation where necessary.
- Allow boards to reach the ambient conditions of the installation area before fixing. Do not install damp boards.
- Keep access routes and storage areas tidy, level and well lit. Protect stacks from site traffic, forklifts, falling objects and edge impact.
- Handle boards carefully to protect faces, edges and corners. Use suitable lifting aids or an appropriate team-handling method where mechanical handling is not practicable.
- Do not drag boards across one another or across the floor. Lift clear before repositioning to avoid face damage and contamination.
- Inspect boards after storage and before installation. Segregate damaged or wet boards and dispose of or recycle waste through an appropriate facility.

Technical note

Nominal product information

Dimensions, density and board weights are nominal values and may vary within normal manufacturing tolerances. Calculated board weights are rounded to the nearest 0.1 kg. Product selection, fixing centres and installation details must follow the relevant project specification and approved system design.