



TECHNICAL DATA SHEET

Tekboard AP (Acoustic Plasterboard)

Square Edge and Tapered Edge

Product overview

Tekboard AP is a high-density gypsum plasterboard designed for internal wall, lining and ceiling systems where improved acoustic performance is required. Its increased mass can help reduce airborne sound transmission when it is incorporated into a correctly designed and installed complete system.

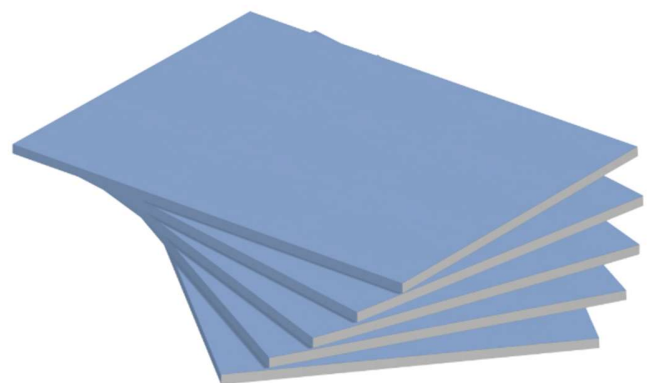
Product range

Product	Edge	Thickness	Board size	Nominal weight*
Tekboard AP - SE 12.5	SE	12.5 mm	2400 x 1200 mm	28.8 kg
Tekboard AP - SE 15.0	SE	15.0 mm	2400 x 1200 mm	34.6 kg
Tekboard AP - TE 12.5	TE	12.5 mm	2400 x 1200 mm	28.8 kg
Tekboard AP - TE 15.0	TE	15.0 mm	2400 x 1200 mm	34.6 kg

*Calculated from the nominal density of 800 kg/m³. Figures are rounded to the nearest 0.1 kg.

Applications

- Acoustic partition and wall-lining systems
- Suspended and direct-fix ceiling systems
- Offices, meeting rooms and education spaces
- Hospitals and other healthcare environments
- Cinemas, theatres and performance spaces
- Plant, generator and technical rooms



Features and finishing

- Easy, dry installation
- High-density gypsum core for increased board mass
- Designed to support reduction of airborne sound transmission in complete systems
- Suitable for wall, lining and ceiling applications
- Durable and reliable for internal applications
- 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	800 kg/m ³
Calculated mass per unit area	12.5 mm: 10.0 kg/m ² 15.0 mm: 12.0 kg/m ²

Nominal mass is calculated from board density x board thickness x board 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.

Acoustic performance

Complete-system performance

Acoustic performance is determined by the complete construction, including board layers, framing, cavity insulation, junctions, fixings, seals and penetrations. Tekboard AP does not have a standalone wall or ceiling Rw or STC rating. Use tested or technically assessed assembly details appropriate to the project requirement.

Physical properties

Nominal physical and dimensional properties for Tekboard AP acoustic plasterboard.

Property	Unit	Value	Test standard
Density	kg/m ³	800	EN 520+A1
Weight per unit area - 12.5 mm	kg/m ²	10.0	EN 520+A1
Weight per unit area - 15.0 mm	kg/m ²	12.0	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	51	EN 520+A1
Squareness of edges	mm	1.5	EN 520+A1
Core hardness	N	145	EN 520+A1
Edge hardness	N	150	EN 520+A1
End hardness	N	155	EN 520+A1
Flexural strength - longitudinal	N	580	EN 520+A1
Flexural strength - transverse	N	245	EN 520+A1
Nail pull strength	N	390	EN 520+A1

Mass per unit area is calculated from the nominal density and board thickness. Values are rounded 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, straight and set out to the approved system specification 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.
- Follow the tested or technically assessed acoustic system build-up, including the specified stud type, centres, board layers, cavity insulation and resilient components.
- 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 and gauge, board thickness, number of layers and required system performance.
- Drive screws square to the board so the head sits just below the liner surface without breaking the paper face or damaging the gypsum core.
- Use fixing centres, edge distances, screw penetration and perimeter details stated 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.
- Maintain acoustic continuity at heads, bases, abutments and junctions. Apply the specified acoustic sealant continuously to perimeters and interfaces before closing the construction.
- Minimise service penetrations and avoid back-to-back electrical boxes unless an approved acoustic detail is provided. Seal sockets, pipes, ducts and other penetrations using compatible system components.
- Treat tapered joints with a compatible joint tape and jointing compound system. Allow each coat to dry and finish in accordance with the compound manufacturer's instructions.
- Seal and reinforce service penetrations where required to preserve the stated fire, acoustic, thermal or airtightness performance of the complete system.
- 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 AP is one component within a complete acoustic dry lining system. Framing, insulation, resilient layers, fixings, seals, jointing materials and installation details must be selected and installed to the relevant tested or technically assessed system specification 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.