



TECHNICAL DATA SHEET

Tekboard FC Board (Fibre Cement)

Square Edge

Product overview

Tekboard FC Board is an asbestos-free fibre-cement board designed for durable internal and external finishing applications. Manufactured from Portland cement, high-purity silica sand, recycled reinforcing pulp, water and performance additives, it provides high impact resistance, non-combustibility, moisture durability and low maintenance when correctly specified and installed.

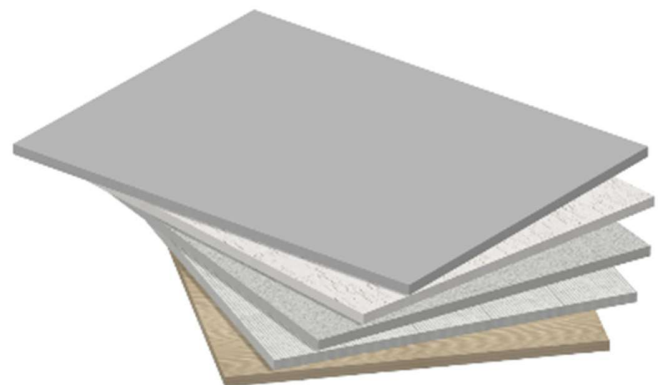
Product range

Product	Edge	Thickness	Board size	Nominal weight*
Tekboard FC Board - SE 6	SE	6 mm	1200 x 2400 mm	22.5 kg
Tekboard FC Board - SE 9	SE	9 mm	1200 x 2400 mm	33.7 kg
Tekboard FC Board - SE 12	SE	12 mm	1200 x 2400 mm	44.9 kg
Tekboard FC Board - SE 15	SE	15 mm	1200 x 2400 mm	56.2 kg
Tekboard FC Board - SE 16	SE	16 mm	1200 x 2400 mm	59.9 kg
Tekboard FC Board - SE 18	SE	18 mm	1200 x 2400 mm	67.4 kg

*Calculated from the stated nominal density of 1,300 kg/m³ and a board area of 2.88 m². Figures are rounded to the nearest 0.1 kg.

Applications

- Wall cladding and dry-lining systems
- Roof underlay applications within an approved system
- Soffit and eaves linings
- False ceilings and suspended ceiling systems
- Partition walls and drywall systems
- Flooring substrates and other suitable finishing applications



Features and finishing

- Non-combustible board with A1 reaction-to-fire classification
- Asbestos-free fibre-cement composition
- Insect resistant with high impact resistance and long-term durability
- Moisture durable with tested water tightness
- Can contribute to thermal insulation within a complete construction
- Easy to install using suitable fibre-cement cutting and fixing equipment
- Low maintenance and compatible with suitable decorative finishes

Product specification

Parameter	Specification
Standard board size	1200 x 2400 mm
Nominal board area	2.88 m ²
Thickness options	6, 9, 12, 15, 16 and 18 mm
Edge option	Square edge (SE) only
Nominal density	1,300 kg/m ³
Mass per unit area	6: 7.8 9: 11.7 12: 15.6 15: 19.5 16: 20.8 18: 23.4 kg/m ² *

*Calculated from the stated nominal density. 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.
Cladding	Suitable for compatible wallpaper, vinyl, wood and other decorative cladding systems, subject to the finish manufacturer's instructions.
Joint filling	Use a compatible fibre-cement jointing compound and reinforcement system in accordance with the project specification.

Composition and performance

System performance

Portland cement, silica sand, recycled reinforcing pulp, water and performance additives provide strength, flexibility and resistance to impact, fire and moisture. Fire resistance, thermal performance and weather protection depend on the complete construction and approved system details.

Physical properties

Nominal and representative physical properties for Tekboard FC Board.

Property	Unit	Value	Test standard
Density	kg/m ³	1,300	EN 12467
Weight per unit area - 6 mm*	kg/m ²	7.8	Calculated
Weight per unit area - 9 mm*	kg/m ²	11.7	Calculated
Weight per unit area - 12 mm*	kg/m ²	15.6	Calculated
Weight per unit area - 15 mm*	kg/m ²	19.5	Calculated
Weight per unit area - 16 mm*	kg/m ²	20.8	Calculated
Weight per unit area - 18 mm*	kg/m ²	23.4	Calculated
Nominal length	mm	2400	Product specification
Nominal width	mm	1200	Product specification
Representative tested length - 12 mm board	mm	2399	EN 12467
Representative tested width - 12 mm board	mm	1200	EN 12467
Representative tested thickness - 12 mm board	mm	12.2	EN 12467
Squareness	mm/m	1.7	EN 12467
Bending strength - longitudinal	MPa	5.15	EN 12467
Bending strength - transverse	MPa	11.26	EN 12467
Reaction to fire	-	A1	EN 13501
Water tightness	-	No water drops seeping through sheets	EN 12467

*Mass per unit area is calculated from the stated nominal density. Test results other than density relate to the representative 12 mm board. Values are nominal and may vary within normal manufacturing tolerances.

Standard and conformity reference

Product standards: EN 12467 for fibre-cement flat sheets and EN 13501 for reaction-to-fire classification.

Installation recommendations

- Check boards before installation and do not use units that are cracked, distorted or significantly damaged. Confirm the frame or substrate is secure, straight and suitable for the intended loading and exposure.
- Follow the tested or technically assessed system and project drawings for board thickness, framing, layers, orientation, joints, fixings, membranes and finishes.
- Cut boards with a suitable electric saw and fibre-cement blade. Use on-tool dust extraction, adequate ventilation and appropriate respiratory, eye and hearing protection; follow the current safety information for silica-containing products.
- For metal framing below 0.7 mm thickness, use suitable zinc-coated self-tapping screws. For framing above 0.7 mm, use suitable zinc-coated self-drilling screws, subject to the approved system specification.
- Use the specified fixing centres, edge distances and screw penetration. Recommended vertical screw spacing is 250 mm for the first layer, 500 mm for the second and 750 mm for the third; use these centres only where confirmed by the approved system design.
- Fully support board edges and maintain movement joints, perimeter gaps, control joints and service openings. Stagger joints where required and do not bridge structural movement joints.
- Maintain fire-stopping continuity at junctions and penetrations. The A1 reaction-to-fire classification does not provide a standalone fire-resistance period for a complete system.
- For external, soffit, eaves or roof-underlay use, install the specified membranes, flashings, ventilated cavities, drainage paths, corrosion-resistant accessories and weatherproof finishes.
- Use compatible fibre-cement jointing compounds, tapes, primers, sealants, coatings and cladding. Seal cut edges, joints and penetrations as specified.
- Protect finished work from impact and excessive loading. Provide suitable framing, pattering or approved fixings for fixtures; do not rely on the board alone for structural support.

System responsibility

Tekboard FC Board is one component within a complete construction. Framing, fixings, membranes, joints, coatings, fire stopping, penetrations, drainage and weatherproofing details must match the relevant tested or technically assessed 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, prolonged high temperatures and 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 saturated boards or trap moisture within the completed construction.
- 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.