

boardex

exterior sheathing

Exterior Sheathing



U Value Insulation

Delivering Better Solutions



- **Boardex** is an exterior sheathing board used in exterior wall, with its reinforced core against humidity and special orange fiberglass mats.
- It is used as backerboard beneath all kinds of claddings (including metal claddings, PVC, wood sidings and decorative brick claddings).
- **Boardex** is used for all kind of soffit applications.
- **Boardex** is indispensable for interior wet areas.
- In areas that stipulates the sheathing of exterior façades with noncombustible materials in accordance with the fire regulation in force, it facilitates the design.
- **Boardex**'s dimensions are %100 match with COREX system sizes and they allow to work on 40 cm and 60 cm axes.
- In the case that exterior walls to be made with **Boardex** exterior façade systems, provide upper values for energy performance class of exterior wall.
- **Boardex** is the first exterior sheathing board of Europe and Turkey that contains gypsum following USA.

- **BoardeX** prevents the drooping and deflection that is especially visible in soffits.
- It can be cut with standard dry-lining tools.
- **BoardeX** is resistant to wear, deflection, deterioration and other impacts that can occur during storage.

RECOMMENDATIONS

- Apply alkali-resistant jointing tape to joints in **BoardeX** using **PROBASE RENDER** (a cement-based jointing compound and basecoat)
- Fix **BoardeX** to profiles using corrosion-resistant special self-drilling Drillex screws at maximum 20 cm apart.
- Metal stud types and distance between them should be selected according to the system.
- 'Embed 160 g/m² alkali-resistant plaster mesh into, but close to the surface of, plaster applied to **BoardeX**.
- 'Fix any insulation material (EPS/ XPS) to be applied on **BoardeX** surface to metal studs using self-drilling fixing dowels.
- Stagger the joints of **BoardeX** when applying in exterior applications
- To keep corners straight, use PVC-based corner mesh profiles.
- Do not use **BoardeX** to insulate against water.
- If **BoardeX** is used on the ceilings of wet and continuous moisture areas, such as saunas, baths, and thermal pools, measures such as strong ventilation should be taken to ensure regular drainage of water vapor in plenum.

- In the exterior walls made with **BoardeX**, the condensation analysis should be done according to the climate zone where the building is located.
- Where the night and day temperature difference is excessive, the thermal bridge should be reduced by affixing the profile polyethylene tape beneath the outwardly facing **BoardeX** surface.



Technical Specification

Length	1200 - 2400 mm	
Width	1200 mm	
Thickness	12,5 mm	15 mm
Average weight	11 kg/m ²	13,5 kg/m ²
Shear strength	≥ 1000 N	≥ 1000 N
Total water absorption (by the weight)	≤ 5% acc. to TS EN 15283-1, H1	
Linear variation (Due to change in moisture content)	0,004 mm/mt.%RH	
Linear variation (Due to change in temperature)	0,015 mm/mt.°C	
Bending diameter	3 m	
Mould resistance	10 * (according to ASTM D 3272-12)	
Water vapour permeability resistance factor	16	
Thermal conductivity	0,25 W/m.K	
Edge type	IK(Tapered Edge) – KK(Square Edge)	
Fire resistance	A1 :Noncombustible according to TS EN 13501-1	

Standard

Standard	TS EN 15283-1+A1 / GM - F H1 R
Type	GM - F H1 R

Packaging

Thickness	12,5 mm	15 mm
Number of boards in one pallet	50 pcs/pallet	40 pcs/pallet

(*) When tested, as manufactured, in accordance with ASTM D 3273, **BoardeX** Exterior Sheathing scored 10, the highest level of performance for mould resistance under the ASTM D 3273 test method.

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