

FX Ultra Gypsum Board

Technical Data Sheet 12/2023

FX Ultra Gypsum Board

Impact resistance gypsum board

Product Description

Special gypsum board with increased impact resistance, strength, fire and water resistance and sound insulation properties. The front side is yellow and the back side is covered with gray colored paper.

Storage

Boards should be stored on pallets in a dry environment. If the boards are stored inside, max. 6 pallets on each other; outside max. 5 pallets on each other. Gypsum boards should be stored so as to prevent damage to the front faces of each boards during packaging. If the boards are stored outside, they must be covered with nylon and etc.

Standard

TS EN 520 + A1 - Tip DIR

Fields of Application


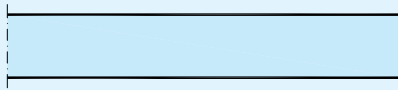
All fields of interior works with enhanced requirements for sound insulation, fire protection and moisture resistance.

- Partition walls
- Suspended ceilings
- Wall claddings
- Drywall linings
- Shaft walls

Properties

- Impact resistance
- High sound insulation
- Increased permissible wall heights
- High dowel load capacity
- Robust surfaces
- Easy application
- High Surface Quality
- Time saving

Technical Data

Description	Unit	12,5 mm	15 mm	Standard
Board type	-	Tip DIR	Tip DIR	TS EN 520+A1
Reaction to fire	Sinif	A2-s1,d0	A2-s1,d0	TS EN 520+A1
Weight	kg/m ²	12,5 - 13,5	15 - 16	-
Long edges	-	Tapered edges 		-
Front edges	-	Cut edges 		-
Width dimensional tolerance	mm	+0 / -4	+0 / -4	TS EN 520+A1
Length dimensional tolerance	mm	+0 / -5	+0 / -5	TS EN 520+A1
Thickness dimensional tolerance	mm	+0,5 / -0,5	+0,5 / -0,5	TS EN 520+A1
Angularity dimensional tolerance (for 1 m board width)	mm	≤ 2.5	≤ 2.5	TS EN 520+A1
Bending radius (dry bending)	mm	r ≥ 2750	-	TS EN 520+A1
Bending radius (wet bending)	mm	r ≥ 1000	-	TS EN 520+A1
Thermal conductivity λ	W/(m·K)	0,25	0,25	EN 12524
Water vapour resistance factor (dry)	μ	10	10	EN 12524
Water vapour resistance factor (wet)	μ	4	4	EN 12524
Density	kg/m ³	≥ 1000	≥ 1000	-
Flexural breaking load longitudinal direction	N	≥ 725	≥ 870	TS EN 520+A1
Flexural breaking load transverse direction	N	≥ 300	≥ 360	TS EN 520+A1
Surface hardness	mm	≤ 15	≤ 15	TS EN 520+A1

Product Range

Description	Width (mm)	Length (mm)	Weight (kg/m ²)	Packaging Unit (pcs./pallet)	Material Number
FX Ultra Gypsum Board 12,5 mm	1200	2500	12,5 - 13,5	40	680596
FX Ultra Gypsum Board 15 mm	1200	2500	15 - 16	30	680615

System Performance Values

Performance values as sound insulation, fire resistance etc. may differ acc. to the drywall system to be applied. Please check the performance values of the drywall systems;

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Application

Application should be done acc. to the applicable standards (TS 1475) and acc. to the Knauf Technical Brochures of the respective drywall system.

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