



4 Sided Tapered Gypsum Board (FX 4TE)

Technical Data Sheet 12/2023

4 Sided Tapered Gypsum Board (FX 4TE)

Gypsum board with four sided tapered edge for premium surfaces

Product Description

Smooth, flexible and light weight gypsum board with four sided tapered edge. Front face covered with ivory, back face covered with grey 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 - Type A

Fields of Application

The four sided tapered edge type is the prerequisite for jointing, resulting in a perfect surface with a high level of crack resistance.

Properties

- Four sided tapered edge
- Easy application
- Time saving
- High surface quality

4 Sided Tapered Gypsum Board

Gypsum board with four sided tapered edge for premium surfaces



Application

Grid

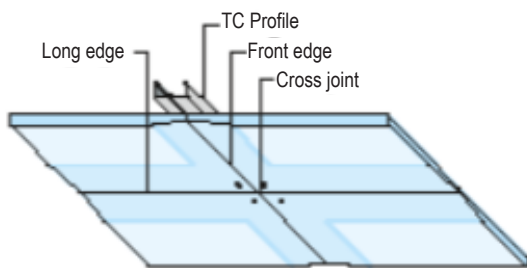
Profiles are installed in accordance with the details in the System Data Sheets with the exception of the special jointing as well as the cross joint application on the ceiling.

Cladding

Install gypsum boards on the ceiling lateral to the furring channels. In case of cladding with the double layer, 4 Sided Tapered Gypsum Board should be applied on the top layer. The offset of the 4 Sided Tapered Gypsum Board to the gypsum boards of the 1st layer is undertaken with a half board width laterally and at least 400 mm lengthwise. The gypsum boards of the first top layer must have the same size as the 4 Sided Tapered Gypsum Board.

Screw fastening

Start fixing of the board in the board centre or on the board corner to avoid sagging. Information on the screw lengths and fastening spacings can be found in the Knauf System Data Sheet for the respective system.

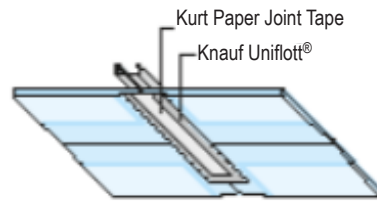


Joint filler

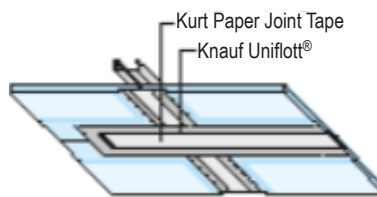
Jointing should be done in accordance to the applicable standards and codes of practice as well as acc. to the relevant Knauf System Data Sheets for filling compounds.

Kurt Paper Joint Tape is recommended for higher crack resistance. K3 level surface quality can be achieved by using Knauf Uniflott® and Kurt Paper Joint Tape together.

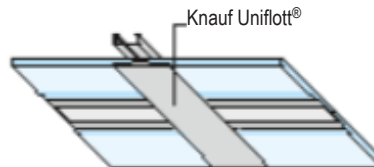
First joint filling stage on front edge



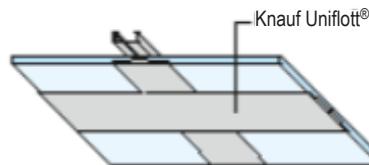
First joint filling stage on long edge



Second joint filling stage on front edge





Second joint filling stage on long edge



Application temperature

- Filling and covering of joints should only take place when no more longitudinal changes of the board can be expected.
- Do not apply jointing at room or substrate temperatures below approx. +10 °C.
- Fill in gypsum board joints only after screed has been applied.

Technical Data

Description	Unit	12,5 mm	Standard
Board type	-	Type A	TS EN 520+A1
Reaction to fire	class	A2-s1,d0	TS EN 520+A1
Weight	kg/m ²	8 - 9	-
Long edges	-	Tapered edges 	-
Front edges	-	Cut edges 	-
Width dimensional tolerance	mm	+0 / -4	TS EN 520+A1
Length dimensional tolerance	mm	+0 / -5	TS EN 520+A1
Thickness dimensional tolerance	mm	+0,5 / -0,5	TS EN 520+A1
Angularity dimensional tolerance (for 1 m board width)	mm	≤ 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	EN 12524
Water vapour resistance factor, dry	μ	10	EN 12524
Water vapour resistance factor, wet	μ	4	EN 12524
Flexural breaking load longitudinal direction	N	≥ 550	TS EN 520+A1
Flexural breaking load transverse direction	N	≥ 210	TS EN 520+A1

Product Range

Description	Width (mm)	Length (mm)	Weight (kg/m ²)	Packaging Unit (pcs./pallet)	Material Number
4 Sided Tapered Gypsum Board 12,5 mm	1200	2000	8 - 9	50	418147

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;

[Knauf Technical Website](#)
[Document Center](#)

Application

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

▶ 444 YAPI - 9274

▶ www.knauf.com.tr / www.teknik.knauf.com.tr

▶ teknik@knauf.com

Center: Knauf Moment Beştepe Office, Beştepe Mah. 32.Cadde No:1/212-218 06560 Beştepe-Yenimahalle / ANKARA Tel: 0312 297 0100 Faks: 0312 266 4506