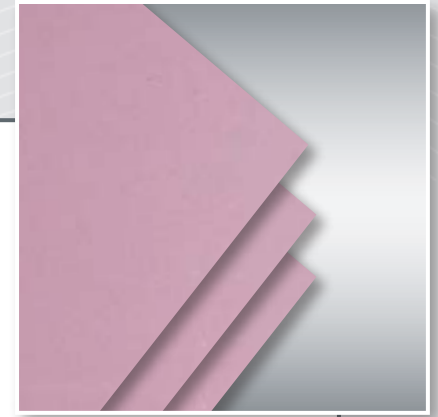


MOISTURE AND FIRE RESISTANT GYPSUM BOARD (WR + FR)



Smooth,flex and light-weight gypsum board with increased water repellency and fire resistance properties. Front face covered with pink, back face covered with grey paper.

- Fire and moisture resistance
- Time saving
- Ceramic tile installation opportunity
- High surface quality
- Dry and easy installation

Standards referred to (Board Type)

TS EN 520 + A1 - TYPE HF

Fields of Application

- Suspended ceilings
- Partition walls
- Shaft walls
- Steel constructions
- Wet areas

Storage

- Boards should be stored on pallets in a dry environment.
- If the boards are stored inside, max. 6 pieces on each other; outside max. 5 pieces on each other.
- Gypsum boards should be stored so as to prevent damage to the front faces of each boards during packaging.
- It is proposed to keep the boards horizontally on a flat surface during transportation and stocking.
- If the boards are stored outside, they must be covered with nylon and etc.

General Properties

Board Type	Thickness (mm)	Weight (kg/m ²)	Width (mm)	Length (mm)	Packaging (pcs./pallet)
WR + FR	12,5	9,5 - 10,5	1200	2500 standart (2000 / 2600 / 2700 / 2800 / 2900 / 3000)	50
	15	12 - 13			30
	18	14,5 - 15,5			30

Technical Properties

	12,5 mm	15 mm	18 mm
Dry bending radius - Longitudinal (mm)	≥ 2750	-	-
Wet bending radius - Longitudinal (mm)	≥ 1000	-	-
Flexural breaking load - Longitudinal direction (N)	≥ 550	≥ 650	≥ 774
Flexural breaking load - Transverse direction (N)	≥ 210	≥ 250	≥ 302,4
Reaction to fire (TS EN 520 Appx.B)	A2 - s1,d0		
Core Cohesion (min)	≥ 15		
Water vapour diffusion resistance μ	10		
Thermal conductivity λ (W / mK)	0,25		
Width tolerance (mm)	0, -4	0, -4	0, -4
Length tolerance (mm)	0, -5	0, -5	0, -5
Thickness tolerance (mm)	± 0,5	± 0,5	± 0,72
Angularity tolerance (mm)	≤ 2,5	≤ 2,5	≤ 2,5
Edge type	tapered edge (TE), square edge (SE)		
Taper thinning depth (mm)	0,6 - 2,5		
Taper thinning width (mm)	40 - 80		
Water absorption (Type H) (g / m ²)	Type H1 ≤ 180 , Type H2 ≤ 220 , Type H3 ≤ 300		
Water absorption (Type H1) (%)	≤ 5		
Water absorption (Type H2) (%)	≤ 10		
Water absorption (Type H3) (%)	≤ 25		

System Performances

System performance values e.g. sound insulation, fire resistance etc. depends on the mentioned system and it's components which are used or recommended by Knauf. For more details visit, <http://www.eteknik.knauf.com.tr>, <http://www.knauf.com.tr/sistemler.asp>, <http://www.knauf.com.tr/kataloglar.asp>

Ordering Terms

Minimum order quantity is 30 m². Please contact sales department for available product sizes other than the ones given on the table.

For quality certificates visit: <http://www.knauf.com.tr/kalitebelgeleri.asp>

For recommended price list visit: <http://www.knauf.com.tr/fiyatlistesi.asp>