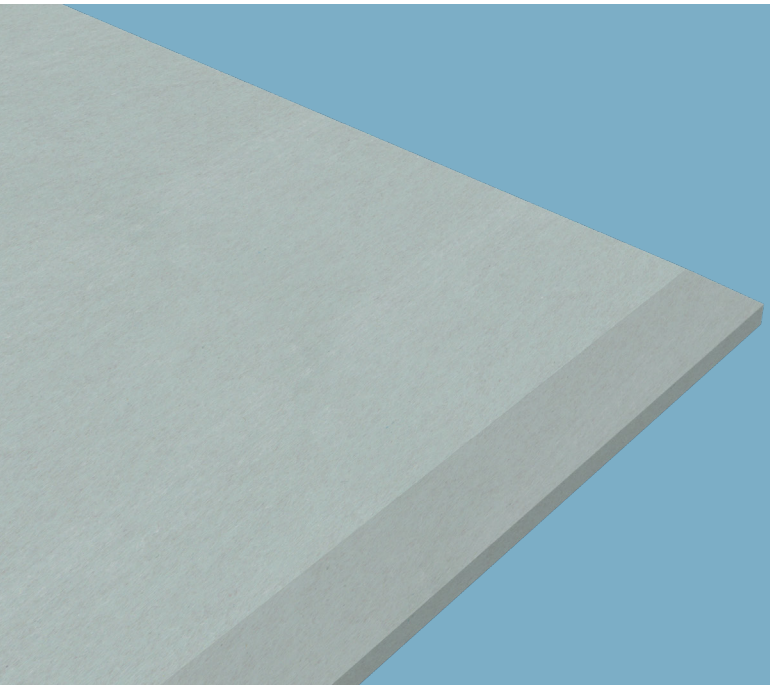


Drywall Systems

Mouldboard® (MWR)

Technical Data Sheet 12/2023

Mouldboard® - Mould and Moisture Resistant Gypsum Board (MWR)

Gypsum board with water repellency and mold resistance

Product Description

Smooth, flexible and light-weight gypsum board, with water repellency property, used in all wet and high humidity areas. Front face covered with green, 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 H1

Fields of Application

- Suspended ceilings
- Partition walls
- Wall claddings
- Dry wall linings
- Shaft walls
- Humid areas

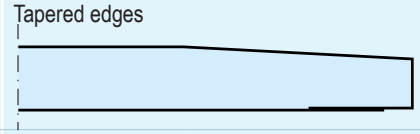
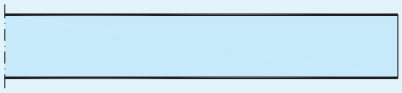
Properties

- Impregnated for reduced water absorption
- Mould resistance
- Suitable for ceramic tile installation
- Easy application
- Time saving
- High surface quality

Mouldboard® - Mould and Moisture Resistant Gypsum Board (MWR)

Gypsum board with water repellency and mold resistance

Technical Data

Description	Unit	12,5 mm	15 mm	Standard
Board type	-	Type H1	Type H1	TS EN 520+A1
Reaction to fire	class	A2-s1,d0	A2-s1,d0	TS EN 520+A1
Weight	kg/m^2	10 - 11	11 - 12	-
Long edges	-	Tapered edges 		-
Front edges	-	Cut edges 		-
Mould resistance	score	10*	10*	ASTM D 3273
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
Total water absorption (Type H2)	%	≤ 5	≤ 5	TS EN 520+A1
Water absorption (Type H2)	g/m^2	≤ 180	≤ 180	TS EN 520+A1
Flexural breaking load longitudinal direction	N	≥ 550	≥ 650	TS EN 520+A1
Flexural breaking load transverse direction	N	≥ 210	≥ 250	TS EN 520+A1

** no mold growth*

Product Range

Description	Width (mm)	Length (mm)	Weight (kg/m^2)	Packaging Unit (pcs./pallet)	Material Number
Mouldboard® Mould and Moisture Resistant Gypsum Board (MWR) 12,5 mm	1200	2500	10 - 11	50	280655
Mouldboard® Mould and Moisture Resistant Gypsum Board (MWR) 15 mm	1200	2500	11 - 12	30	289216

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.

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