



# Moisture Resistant Gypsum Board (WR)

Technical Data Sheet 12/2023

## Moisture Resistant Gypsum Board (WR)

Impregnated gypsum board

### Product Description

Smooth, flexible and light-weight gypsum board, with water repellency property, used in wet and humid 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 H

### Fields of Application

All fields of interior works with moderately high humidity (e.g. domestic bathrooms).

- Partition walls
- Suspended ceilings
- Wall claddings
- Drywall linings
- Shaft walls
- Wet and humid areas

### Properties


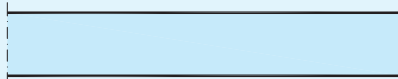
- Impregnated for reduced water absorption
- Ceramic tile installation opportunity
- Easy application
- Time saving
- High surface quality

# Moisture Resistant Gypsum Board (WR)

## Impregnated gypsum board



### Technical Data

Description	Unit	9,5 mm	12,5 mm	15 mm	18 mm (HRK*)	Standard
Board type	-	Type H	Type H	Type H	Type H	TS EN 520+A1
Reaction to fire	class	A2-s1,d0	A2-s1,d0	A2-s1,d0	A2-s1,d0	TS EN 520+A1
Weight	kg/m <sup>2</sup>	7 - 7,5	8 - 8,5	10,5 - 11,5	14 - 15	-
Long edges	-	Tapered edges 				-
Front edges	-	Cut edges 				-
Width dimensional tolerance	mm	+0 / -4	+0 / -4	+0 / -4	+0 / -4	TS EN 520+A1
Length dimensional tolerance	mm	+0 / -5	+0 / -5	+0 / -5	+0 / -5	TS EN 520+A1
Thickness dimensional tolerance	mm	+0,5 / -0,5	+0,5 / -0,5	+0,5 / -0,5	+0,72 / -0,72	TS EN 520+A1
Angularity dimensional tolerance (for 1 m board width)	mm	≤ 2,5	≤ 2,5	≤ 2,5	≤ 2,5	TS EN 520+A1
Bending radius, dry bending	mm	r ≥ 2000	r ≥ 2750	-	-	TS EN 520+A1
Bending radius, wet bending	mm	r ≥ 500	r ≥ 1000	-	-	TS EN 520+A1
Thermal conductivity λ	W / (m·K)	0,25	0,25	0,25	0,25	EN 12524
Water vapour resistance factor, dry	μ	10	10	10	10	EN 12524
Water vapour resistance factor, wet	μ	4	4	4	4	EN 12524
Total water absorption (Type H2)	%	≤ 10	≤ 10	≤ 10	≤ 10	TS EN 520+A1
Water absorption (Type H2)	g/m <sup>2</sup>	≤ 220	≤ 220	≤ 220	≤ 220	TS EN 520+A1
Flexural breaking load longitudinal direction	N	≥ 400	≥ 550	≥ 650	≥ 774	TS EN 520+A1
Flexural breaking load transverse direction	N	≥ 160	≥ 210	≥ 250	≥ 302,4	TS EN 520+A1

\* Herkül Gypsum Board (HRK)

### Product Range

Description	Width (mm)	Length (mm)	Weight (kg/m <sup>2</sup> )	Packaging (pcs./pallet)	Material Number
Moisture Resistant Gypsum Board (WR) 9,5 mm	1200	2500	7 - 7,5	60	49817
	1200	2800	7 - 7,5	60	900240
Moisture Resistant Gypsum Board (WR) 12,5 mm	1200	2500	8 - 8,5	50	9887
	1200	2600	8 - 8,5	50	24525
	1200	2700	8 - 8,5	50	133347
	1200	2800	8 - 8,5	50	24526
	1200	2900	8 - 8,5	50	102645
	1200	3000	8 - 8,5	50	24527
Moisture Resistant Gypsum Board (WR) 15 mm	1200	2500	10,5 - 11,5	30	148581
	1200	2800	10,5 - 11,5	30	33069
Moisture Resistant Gypsum Board (WR) 18 mm (HRK*)	1200	2500	14 - 15	30	88321

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### 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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