

WR Plus Gypsum Board

Technical Data Sheet 11/2023

WR Plus Gypsum Board

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.

It is a type of gypsum board that can provide performance in Knauf wall and ceiling systems.

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

Technical Data

| Description | Unit | 12,5 mm | 15 mm | Standard |
|---|-------------------|-------------|---------------|--------------|
| Board type | - | Type H | Type H | TS EN 520+A1 |
| Reaction to fire | class | A2-s1,d0 | A2-s1,d0 | TS EN 520+A1 |
| Weight | kg/m ² | 9,25 - 9,40 | 11,10 - 11,30 | - |
| Long edges | Tapered edge | | | - |
| Front edges | Cut edge | | | |
| 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) | % | ≤ 10 | ≤ 10 | TS EN 520+A1 |
| Water absorption (Type H2) | g/m ² | ≤ 220 | ≤ 220 | 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 |

Product Range

| Description | Width (mm) | Length (mm) | Weight (kg/m ²) | Packaging (pcs./pallet) | Material Number |
|---------------------------------|------------|-------------|-----------------------------|-------------------------|-----------------|
| WR Plus Gypsum Board 12,5 mm | 1200 | 2500 | 9,25- 9,40 | 50 | 822309 |
| WR Plus Gypsum Board 15 mm | 1200 | 2500 | 11,10 - 11,30 | 30 | 823712 |

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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