

## **K812.bg Vidiwall HI**

Description, Field of Application, Sizes of the Boards, Installation,  
Technical Properties, Joint Technique

# K812.bg Vidiwall HI



## Application, Technical Properties, Joint Technique, Surface Treatment

### Composition

The Vidiwall HI gypsum fibreboards are composed of high quality calcinated gypsum, selected paper fibers and additives. They are additionally impregnated and comply with class GF-W1 acc. to EN 15283-2.

#### Special properties

- Versatile application
- Robustness
- Moisture resistance
- Easy installation
- Optimum fire and sound protection
- Blue colour
- can remain exposed to atmosphere influence for 1 month without any finishing protection layer

### European Norms

- ETAG 004

### Vidiwall board data

Thickness: 12.5 / 15 mm  
 Width: 1200 / 1250 mm  
 Length: 2395 / 2495 mm

The Vidiwall HI boards are produced with SK edges.

Edge shape: SK 

### Field of application

- Facade board under ETICS or ventilated system
- Timber prefabricated houses – as cladding to the wall structures and for reinforcing of the building
- Facade walls with metal stud construction - i.e. Knauf W333
- Drywall partitions in humid areas

### Weight of the Boards

12.5 mm 15 kg/m<sup>2</sup>  
 15 mm 18 kg/m<sup>2</sup>

### Storage

Knauf Vidiwall HI boards must be stored on a flat surface in a dry environment.

## Application

#### Formatting

To cut the fibreboards score one side with a knife and snap the board along the score. Cut edge can be smoothed with bevel plane. Clean the dust before application at glued joint. Clean edges can be cut also with electric saw (dust absorber is recommended).

#### Fixing with screws

Align the Vidiwall HI fibreboard along the profiles and fix with fibreboard screws. Use screws Aquapanel Maxi SN 3,9x30 mm. Screw spacing to be max. 250 mm. By horizontal application the screw spacing must be max. 200 mm for 12,5 mm thick boards.

#### Fixing with clamps

Vidiwall HI fibreboards can be fixed to timber structures through screws, nails or clamps with corrosion protection covering. Clamps can also be used for fastening of the second layer of boards to the first one or board to board to form a box-like cladding.

## Technical data

Density : 1250 kg/m<sup>3</sup>  
 Thermal conductivity:  $\lambda \leq 0.30$  W/mK  
 Water diffusion resistance coefficient:  $\mu = 15$   
 Fire classification acc. to EN 13501 non-combustible: A2 s1d0

Deviation in dimension: 0.30 mm/m (at 20°C and deviation in relative air moisture by 30%)  
 Hardness: approx. 750 N

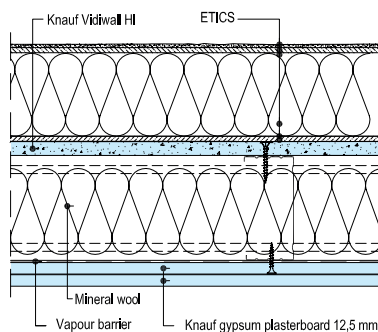
Bending strength:  $f_{m, test} \geq 5.8$  N/mm<sup>2</sup> (after drying at temperature 40°C)  
 Bending strength:  $f_{m, k} = 4.5$  N/mm<sup>2</sup>  
 Compressive strength: 7.5 N/mm<sup>2</sup>  
 Tensile strength: 2.3 N/mm<sup>2</sup>  
 E-modulus (bending): 3 900 N/mm<sup>2</sup>

## Joint Technique

#### Gap joint

Apply Vidiwall HI fibreboards with a gap of 5-7 mm between boards. Fill the gap with Uniflott Impregnated. Apply some of the joint filler along the joint, so that the jointing tape would be embedded into it.

For instructions on the installation of the whole facade wall refer to Technical Datasheet W333.



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