



# BOERNER FACADE 35

STONE WOOL

## PRODUCT DESCRIPTION

BOERNER FACADE 35 are non-combustible, hydrophobic thermal and sound insulation boards with a disturbed fiber arrangement, made of stone wool.

## APPLICATION

As a layer for thermal, acoustic and fire insulation in industrial and civil construction. Intended for use inside and outside buildings in jointless thermal insulation systems (ETICS).



THICKNESS RANGE 50 - 250 [mm]

## DECLARED PARAMETERS

| Parameter   | Symbol      | Unit                 | Value      | Method  |
|---|-------------|----------------------|------------|---|
| Declared thermal conductivity   | $\lambda_D$ | W/mK                 | 0,035      | EN 12667, EN 12939                                    |
| Thickness tolerance class   | T           | -                    | T5         | EN 823  |
| Dimensional stability under certain temperature and humidity conditions | DS(70,90)   | %                    | $\leq 1$   | EN 1604   |
| Compressive stress at 10% deformation                                   | CS(10)      | kPa                  | $\geq 20$  | EN 826  |
| Tensile strength perpendicular to the faces                             | TR          | kPa                  | $\geq 10$  | EN 1607   |
| Point load at 5 mm deformation  | PL(5)       | N                    | $\geq 200$ | EN 12430  |
| Air flow resistivity  | AFr         | kPa·s/m <sup>2</sup> | NPD        | EN 9053-1   |
| Short-term water absorption   | WS          | kg/m <sup>2</sup>    | $\leq 1$   | EN 29767  |
| Long-term water absorption  | WL(P)       | kg/m <sup>2</sup>    | $\leq 3$   | EN 16535  |
| Water vapor diffusion resistance coefficient                            | MU          | -                    | MU1        | EN 13162+A1   |
| Reaction to fire  | RtF         | -                    | A1         | EN 13501-1, EN 15715<br>NPD - No Performance Declared |

## DECLARED THERMAL RESISTANCE

| Value of declared thermal resistance $R_D$ |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Thickness [mm]                             | 10   | 20   | 30   | 40   | 50   | 60   | 70   | 80   | 90   | 100  | 110  | 120  | 130  | 140  | 150  |
| $R_D$ [m <sup>2</sup> K/W]                 | -    | -    | -    | -    | 1,35 | 1,65 | 1,95 | 2,20 | 2,50 | 2,80 | 3,05 | 3,35 | 3,65 | 3,95 | 4,20 |
| Thickness [mm]                             | 160  | 170  | 180  | 190  | 200  | 210  | 220  | 230  | 240  | 250  | 260  | 270  | 280  | 290  | 300  |
| $R_D$ [m <sup>2</sup> K/W]                 | 4,50 | 4,80 | 5,05 | 5,35 | 5,65 | 5,95 | 6,20 | 6,50 | 6,80 | 7,05 | -    | -    | -    | -    | -    |





## STANDARD DIMENSIONS AND PACKAGING

| Code     | Full name and dimensions       | Pallet format | Pallet         |                |      |      | Pack           |                |      |
|----------|--------------------------------|---------------|----------------|----------------|------|------|----------------|----------------|------|
|          |                                | mm            | m <sup>3</sup> | m <sup>2</sup> | slab | pack | m <sup>3</sup> | m <sup>2</sup> | slab |
| BR700206 | BOERNER FACADE 35 1200x600x50  | pillar        | 3,4560         | 69,12          | 96   | 16   | 0,2160         | 4,32           | 6    |
| BR700207 | BOERNER FACADE 35 1200x600x60  | pillar        | 3,4560         | 57,60          | 80   | 16   | 0,2160         | 3,60           | 5    |
| BR700208 | BOERNER FACADE 35 1200x600x70  | pillar        | 3,2256         | 46,08          | 64   | 16   | 0,2016         | 2,88           | 4    |
| BR700209 | BOERNER FACADE 35 1200x600x80  | pillar        | 3,4560         | 43,20          | 60   | 20   | 0,1728         | 2,16           | 3    |
| BR700210 | BOERNER FACADE 35 1200x600x90  | pillar        | 3,1104         | 34,56          | 48   | 16   | 0,1944         | 2,16           | 3    |
| BR700211 | BOERNER FACADE 35 1200x600x100 | pillar        | 3,4560         | 34,56          | 48   | 16   | 0,2160         | 2,16           | 3    |
| BR700212 | BOERNER FACADE 35 1200x600x110 | pillar        | 3,1680         | 28,80          | 40   | 20   | 0,1584         | 1,44           | 2    |
| BR700213 | BOERNER FACADE 35 1200x600x120 | pillar        | 3,4560         | 28,80          | 40   | 20   | 0,1728         | 1,44           | 2    |
| BR700214 | BOERNER FACADE 35 1200x600x130 | pillar        | 2,9952         | 23,04          | 32   | 16   | 0,1872         | 1,44           | 2    |
| BR700215 | BOERNER FACADE 35 1200x600x130 | pillar        | 3,3696         | 25,92          | 36   | 12   | 0,2808         | 2,16           | 3    |
| BR700216 | BOERNER FACADE 35 1200x600x140 | pillar        | 3,2256         | 23,04          | 32   | 16   | 0,2016         | 1,44           | 2    |
| BR700217 | BOERNER FACADE 35 1200x600x150 | pillar        | 3,4560         | 23,04          | 32   | 16   | 0,2160         | 1,44           | 2    |
| BR700218 | BOERNER FACADE 35 1200x600x160 | pillar        | 2,7648         | 17,28          | 24   | 12   | 0,2304         | 1,44           | 2    |
| BR700219 | BOERNER FACADE 35 1200x600x170 | pillar        | 2,9376         | 17,28          | 24   | 12   | 0,2448         | 1,44           | 2    |
| BR700220 | BOERNER FACADE 35 1200x600x180 | pillar        | 3,1104         | 17,28          | 24   | 12   | 0,2592         | 1,44           | 2    |
| BR700221 | BOERNER FACADE 35 1200x600x190 | pillar        | 3,2832         | 17,28          | 24   | 12   | 0,2736         | 1,44           | 2    |
| BR700222 | BOERNER FACADE 35 1200x600x200 | pillar        | 3,4560         | 17,28          | 24   | 12   | 0,2880         | 1,44           | 2    |
| BR700223 | BOERNER FACADE 35 1200x600x210 | pillar        | 3,0240         | 14,40          | 20   | 20   | 0,1512         | 0,72           | 1    |
| BR700224 | BOERNER FACADE 35 1200x600x220 | pillar        | 3,1680         | 14,40          | 20   | 20   | 0,1584         | 0,72           | 1    |
| BR700225 | BOERNER FACADE 35 1200x600x230 | pillar        | 3,3120         | 14,40          | 20   | 20   | 0,1656         | 0,72           | 1    |
| BR700226 | BOERNER FACADE 35 1200x600x240 | pillar        | 3,4560         | 14,40          | 20   | 20   | 0,1728         | 0,72           | 1    |
| BR700227 | BOERNER FACADE 35 1200x600x250 | pillar        | 2,8800         | 11,52          | 16   | 16   | 0,1800         | 0,72           | 1    |

## LOGISTICS INFORMATION

Standard packaging on pillars. Full truck loading: 22 standard pallets.

Packing on wooden pallets (22 pallets and 11 high pallets marked with H2.6) to be confirmed in the logistics department

## STORAGE

The product may only be stored outdoors in an intact, originally packed pallet. Protected against the harmful effects of weather conditions and set on a dry and stable surface.

Maximum stacking height of pallets up to three meters.

## ADDITIONAL INDICATIONS ON THE LABEL

**H2,6** - pallet with a height of about 2,6 m / twice the amount of the product compared to a standard pallet

**(PILLAR)** - product on a stone wool base instead of a wooden pallet

**(X slabs)** - number of slabs in the pack



Certificate number: 1454-CPR-0292

Designation code: MW-EN 13162-T5-DS(70,90)-CS(10)20-TR10-PL(5)200-WS-WL(P)-MU1

Declaration of performance no: BRI/ETICS/BRF35/2023\_04