**m² supply and installation of**

**BRUCHAPaneel® FIRE PROTECTION roof elements**

**Brucha system mineral wool, roof "DP-F"**

Insulation core consisting of structural, web-directional mineral wool, density 120 kg/m³, fire behaviour EN 13501-1, A1, connected to the sheet steel shells in a shear-resistant manner.

140 kg/m³ available on request

Top side galvanised trapezoidal steel profile 0.6 mm, zinc layer 275 g/m², bead height 42 mm, crown distance 333.3 mm, with 25 µm polyester coating; standard colours according to Basic colour spectrum, with removable special protective foil.

Bottom side (room-facing side) galvanised sheet steel 0.6 mm, zinc layer 275 g/m², with 25 µm polyester lacquer coating, colour 9002, protective foil available on request.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Core thickness:** | **60** | **80** | **100** | **120** | **140** | **150** | **160** | **180** | **200** |
| **Total thickness incl. trapezoidal structure:** | **102** | **122** | **142** | **162** | **182** | **192** | **202** | **222** | **242** |
| **U-value W/m²K as per EN 14509:** | **0.65** | **0.50** | **0.41** | **0.35** | **0.30** | **0.28** | **0.26** | **0.24** | **0.21** |
| **Fire resistance:** | **REI 30** | **REI 90** | **REI 90** | **REI 90** | **REI 90** | **REI 90** | **REI 90** | **REI 90** | **REI 90** |

Fire behaviour according to EN 13501-1, Euro class A2-s1,d0 , non-combustible, national and international tests, **BRUCHAPaneel® is FM-certified.**

The **BRUCHAPaneel®** is approved according to DIBT construction supervision authority.

The **BRUCHAPaneel®** is listed at the ÖGNI (Austrian Society for Sustainable Real Estate Management)

and in the dgnb Navigator.

Unique **Brucha double SEALING SYSTEM**  for optimum condensate protection and building insulation. Externally, this is done by overlapping of the beads, with the non-insulated sheet metal section of a panel is placed on the corresponding counterpart of the adjacent panel. On the room-facing side, this is achieved by special shaping, with a counter profile of one roof panel being exactly formed to match to the bead overlaps the bead of the second panel. The integrated seals provide additional safety and thus an absolutely tight connection is achieved.

The longitudinal side of the panel is covered by a PE foil, which also serves as a vapour barrier.

For the **BRUCHAPaneel®** FIRE PROTECTION roof DP-F, a notch must be made in the area of the eaves end (available at an extra charge).

*In the unit price, the stainless steel screws including sealing washers must be calculated according to the respective substructure. In addition, 4.8x19 mm screw must be included for the joint overlap,*

*every 30 cm.*

**Technical data**

Element lengths max. \_\_\_\_\_\_\_\_ mm

Construction width 1000 mm

Crown height 42 mm

Insulation thickness \_\_\_\_\_\_\_\_ mm

Overall thickness, type D \_\_\_\_\_\_\_\_ mm

Colour of the upper shell RAL \_\_\_\_\_\_\_\_

U value in W/(m²K) \_\_\_\_\_\_\_\_

**Static characteristics**

Max. purlin spacing

\_\_ field system = \_\_\_\_\_\_\_\_\_\_ m

\_\_ field system = \_\_\_\_\_\_\_\_\_\_ m

\_\_ field system = \_\_\_\_\_\_\_\_\_\_ m

Defined snow load \_\_\_\_\_\_ kg/m²

Roof pitch \_\_\_\_\_\_ degrees

