**m² supply and installation of**

**BRUCHAPaneel® FIRE PROTECTION façade elements, concealed mounting**

**Brucha system mineral wool, façade "FP-F"**

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

Exterior galvanised steel profile sheet 0.6 mm, zinc layer 275 g/m², with 25 µm polyester coating; standard colours according to Basic colour range, with removable special protective foil.

Interior (room-facing side) galvanised sheet steel 0.6 mm, zinc layer 275 g/m², with 25 µm polyester coating; colours according to data sheet, limited profile selection, with removable special protective film.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Core thickness:**  | **60** | **80** | **100** | **120** | **140** | **150** | **160** | **180** | **200** | **240** |
| **U-value W/m²K as per EN 14509:** | **0.67** | **0.51** | **0.42** | **0.35** | **0.30** | **0.28** | **0.27** | **0.24** | **0.22** | **0.18** |
| **Fire resistance:** | **-** | **EI 90** | **EI 90** | **EI 120** | **EI 120** | **EI 120** | **EI 120** | **EI 120** | **EI 120** | **EI 120** |

**Construction width: Standard 1100 mm,** on request 1000 mm

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.

Tongue and groove plug-in system, the screw head is countersunk on the outside due to the labyrinth profile, and fully covered by the subsequent panel, **concealed - invisible mounting.**

The integrated seal ensures the **best possible tightness against wind**, the panels are joined together **precisely and free of thermal bridges**.

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

With the **BRUCHAPaneel®** FIRE PROTECTION façade FP-F, the wool in the plinth area must be cut back on the outside.

For the proper and correct assembly of the elements and improvement of the static properties within the system, **the pressure distribution plate (Z29b) must be used,** available according to the list of accessories!

*In the unit price, the stainless steel screws including sealing washers must be calculated according to the respective substructure.*

**Technical data**

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

Construction width \_\_\_\_\_\_\_\_ mm

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

Colour of the outer shell RAL \_\_\_\_\_\_\_\_

Colour of the inner shell RAL \_\_\_\_\_\_\_\_

U value in W/(m²K) \_\_\_\_\_\_\_\_

**Static characteristics**

max. framework spacing

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

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

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

Defined max. wind pressure load \_\_\_\_\_\_ kN/m²

Defined max. wind drag load \_\_\_\_\_\_ kN/m²

