**m² supply and installation of**

**BRUCHAPaneel® FIRE PROTECTION wall elements, visible mounting**

**Brucha system mineral wool, wall "WP-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, slightly profiled, 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:** | **0.70** | **0.52** | **0.41** | **0.35** | **0.30** | **0.29** | **0.27** | **0.24** | **0.22** | **0.18** |
| **Fire resistance:** | **EI 30** | **EI 60** | **EI 90** | **EI 120** | **EI 120** | **EI 180** | **EI 180** | **EI 180** | **EI 240** | **EI 240** |

**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 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 wall WP-F, the wool in the plinth area must be cut back on the outside.

*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

