**m² supply and installation of**

**BRUCHAPaneel® FIRE PROTECTION wall elements**

**Brucha system mineral wool wall acoustics "WP-A"**

Insulation core consisting of structural, web-directional mineral wool, density of 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, glass fleece SM60/10 as trickle protection

Exterior galvanised steel 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.

Bottom side (room-facing side) galvanised steel sheet 0.6 mm, zinc layer 275 g/m², with 25 µm polyester lacquer coating colour 9002 with a PVC protective foil, profile 2 (smooth), proportion of holes approx. 32.5 %

Hole diameter 3 mm, round holes in an offset pattern.

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| |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **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 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, non-combustible; national and international tests.

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 façade WP-A, 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