**m² supply and installation of**

**BRUCHAPaneel® façade elements, concealed mounting**

**Brucha system PIR+ façade type "FP-P"**

consisting of a PIR + / PUR hard foam core, approx. 40 kg/m³, pentane foaming process, **absolutely CFC, HCFC and HFC free**, approx. 95 % closed-cell foamed, bonded to the steel sheet cover layers 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 0.5 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:**  | **80** | **100** | **120** | **140** | **160** | **180** | **200** |  |
| **U-value W/m²K as per EN 14509:** | **0.288** | **0.225** | **0.186** | **0.159** | **0.138** | **0.124** | **0.110** |  |

**Construction width: Standard 1000 mm**

Fire behaviour according to EN 13501-1, Euro class Bs1d0, low flammability national and international tests, **BRUCHAPaneel® is FM-certified.**

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

The **BRUCHAPaneel®** is C2C-certified.

The **BRUCHAPaneel®** is listed at the ÖGNI (Austrian Society for Sustainable Real Estate Management) and in the dgnb Navigator.

Double tongue and groove plug-in system, with the screw head being countersunk on the outside due to the labyrinth profile and completely covered by the subsequent overlapping 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**.

**We recommend using the pressure distribution plate** (Z29a) to improve the static properties in the system, as well as for proper and correct assembly of the elements, 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

