**m² supply and installation of**

**BRUCHAPaneel® façade elements, concealed mounting**

**Brucha system PIR+ façade "FP"**

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 in a shear-resistant manner.

Exterior galvanised steel profile sheet 0.6, 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:**  | **60** | **80** | **100** | **120** | **140** | **150** | **160** |
| **U-value W/m²K as per EN 14509:** | **0.375** | **0.288** | **0.225** | **0.186** | **0.159** | **0.148** | **0.138** |

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

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**.

**We recommend using the pressure distribution plate** (Z29) 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

