

BASE PANEL

DATA SHEET



Exteriors

Moulded EPS base panel



Composition

BASE PANEL is a moulded polystyrene skirting panel with low absorption and high mechanical strength.

Supply

- BASETHERM skirting panels are supplied in polyethylene packaging.

Use

BASE PANEL skirting panels are used exclusively for the construction of the base of buildings, in the area in contact with splashes of water or below ground level.

Substrate preparation

The wall surface must be clean. If it is not, you must remove any dust, dirt, traces of release agents and crumbling or loose parts. Make sure the surface is level and, if necessary, remove any protrusions exceeding 1 cm. Deteriorated concrete must be repaired using special mortars.

Mixing and application

The thickness of the BASE PANEL is chosen based on the type of external thermal insulation composite system being developed.

For External Thermal Insulation Composite Systems with EPS panels, the base area can be made in line with the insulating panels of the system. The thickness of the skirting panels and insulating panels on the wall-face will thus be the same. The layer of reinforced skim-coat is applied uniformly on both types of panels.

On the other hand, for External Thermal Insulation Composite Systems using rock wool panels, the skirting section must be recessed. The BASE PANEL skirting panels must be at least 1-2 cm thinner than the facing panels. At the top of the BASE PANEL, apply a PVC base profile, or alternatively a water drip profile.

The panels are cemented using Fassa BASECOLL adhesive, applying it over the entire surface or in stripes and spots, paying attention that the adhesive does not ooze out from the panel after it is laid.

The panels are then secured mechanically using polypropylene anchors, suitable for the type of substrate, avoiding making the hole through the existing waterproofing membrane of the building. The effective anchorage depth into the wall must match the nominal anchorage depth.

The panels are smoothed off using BASECOLL and reinforced with 160 g/m² alkali resistant fibreglass mesh. RSR 421, RX 561, RTA 549 or FASSIL R 336 thick-layer coatings complete the application of the insulating panels.

Warnings

- Apply the product at temperatures between +5°C and +35°C.
- Store the packed panels in a dry and airy place, protecting them from weathering, direct sunlight and other heat sources.
- The surfaces of the panels must be clean and intact: only remove the packaging from the panels immediately before application.
- Avoid using boards that are damaged, deteriorated, dirty, etc.
- When installing the panels, protect them from water seepage caused by rain.

For the installation details please read the instructions indicated in FASSA technical installation manual for ETICS.

Quality

BASE PANEL skirting panels are classified and marked according to European standard EN 13163, and are thoroughly tested in our factory.

Technical Data

| | |
|-----------|-----------|
| Length | 1,200 mm |
| Width | 600 mm |
| Thickness | 20-200 mm |

Technical features

The performance characteristics of the product are classified below according to the EN 13163 standard:

| Specifications | Designation code | Unit of measure | PANEL | Test standard |
|--|------------------|-----------------|-------------|---------------|
| Compressive strength at 10% deformation | CS (10) | KPa | ≥ 150 | EN 826 |
| Tensile strength | TR | KPa | ≥ 100 | EN 1607 |
| Length | L | % | L3 | EN 822 |
| Width | W | % | W2 | EN 822 |
| Thickness | T | mm | T2 | EN 823 |
| Flatness | P | mm | P3 | EN 825 |
| Squareness | S | mm/m | S5 | EN 824 |
| Declared thermal conductivity | λ_D | W/m·K | 0.034 | EN 12667 |
| Dimensional stability | DS(N) | - | 5 | EN 1603 |
| Water absorption | WL(t)i | % | 4 | EN 12087 |
| Water vapour diffusion resistance factor | μ | - | 4-100 | EN 12086 |
| Specific thermal capacity | C_s | J/Kg·K | 1.450 | EN 10456 |
| Reaction to fire | - | Class | Euroclass E | EN 13501-1 |

Thermal resistance

BASE PANEL skirting panels may have different thermal resistance values according to the thickness of the panel.

| Panel thickness (mm) | Declared thermal resistance (m ² ·K/W) |
|----------------------|---|
| 20 | 0.5 |
| 40 | 1.0 |
| 60 | 1.7 |
| 80 | 2.4 |
| 100 | 2.9 |
| 120 | 3.5 |
| 140 | 4.1 |
| 160 | 4.7 |
| 180 | 5.3 |
| 200 | 5.9 |

The above information refers to laboratory testing; it is possible that in practical applications on site these may differ considerably according to the conditions in which the material is applied. In any case the user must check that the product is suitable for the intended application, taking all responsibility for its use. Fassa reserves the right to make technical modifications without notice.

Technical specifications regarding the use of Fassa Bortolo products for structural or fire prevention applications will only be officially valid if provided by Fassa Bortolo's "Technical Service" and "Research, Development and Quality System". If necessary, contact Technical Service in your country of reference (IT: area.tecnica@fassabortolo.com, ES: asistencia.tecnica@fassabortolo.com, PT: assistencia.tecnica@fassabortolo.com, FR: bureau.technique@fassabortolo.fr, UK: technical.assistance@fassabortolo.com).

Please note that for the aforementioned products, the assessment is required by the appointed professional, in accordance with regulations in force.