

TECHNICAL DESCRIPTION – DECORATIVE PROFILES SPACE 4-6 - SPACE 6-8 – SPACE 6-18 - SHADOW

Brief description

SPACE and **SHADOW** decorative profiles are non-structural profiles made from **VESTA X.Resist** or **X.Fire**.

- Standard dimensions of decorative profiles: 4000 mm
 - SPACE profiles are available in 3 sections: 40x60 mm, 60x80 mm and 60x180 mm
 - The SHADOW profile is available in 1 section: 140x20 mm
 - They can be installed horizontally or vertically and must be integrated by the contractor into an overall system
 - Standard fire rating M2 in VESTA X.Resist according to standard NF P 92-507 (2004)
 - Optional fire rating on request: M1 in VESTA X.Fire according to standard NF P 92-507 (2004)
 - Rot-proof (equivalent durability class 4) and no treatment of cut edges.
 - UV resistance compliant with standard NF EN 15534.
 - Vibrated finish available in all colours from our colour chart.
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Full description

The service will include the supply and installation of the product in accordance with the recommendations made in the NEOLIFE ideas book, available on request. SPACE & SHADOW decorative profiles are non-structural profiles to be integrated by the company into an overall system. The complete system incorporating the decorative profiles must be certified by the company in terms of mechanical resistance according to the field of application and the standards in force.

1. Description of decorative profiles

SPACE and **SHADOW** decorative profiles are non-structural profiles made from **VESTA X.Resist** or **X.Fire**.

VESTA® is a bio-based material composed of wood fibres, a binder, an antioxidant and mineral pigments. It has a vibrated and regular surface appearance.

The blades are available in 3 tubular sections:

- SPACE 4-6: 4x6 cm
- SPACE 6-8: 6x8 cm
- SPACE 6-18: 6x18 cm
- SHADOW: 14x2 cm

The profiles are available in all colours from the Neolife colour chart, as the material is dyed throughout.

Decorative profiles can be installed horizontally or vertically according to the recommendations in the **NEOLIFE** idea book.

Stainless steel brackets are available from **NEOLIFE** for wall mounting or between slabs. The company is free to install these profiles in other configurations, provided that the mechanical resistance is justified according to the field of application and the standards in force.

2. Dimensional characteristics

Manufacturing dimensions

- Standard length: 4000 mm
- SPACE 4-6 section: 40 x 60 mm
- SPACE 6-8 section: 60 x 80 mm
- SPACE 6-18 section: 60 x 180 mm
- SHADOW section 140 x 20 mm

Dimensional tolerances for standard manufacturing components

- Length: - 0 / + 20 mm
- Width: ± 1.0 mm
- Flatness and deflection over length: 2.0 mm/ml
- Flatness across width: ± 1.0 mm

Nominal linear weights

- SPACE 4-6: 1.0 kg/ml
- SPACE 6-8: 1.8 kg/ml
- SPACE 6-18: 3.6 kg/ml
- SHADOW: 1.6 kg/ml

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3. Physical and mechanical characteristics

Fire

- Standard fire rating M2 in VESTA X. Resist according to standard NF P 92-507 (2004) and PV no. EFR-20-003873 EFECTIS
- Optional fire rating available on request: M1 in VESTA X. Fire according to standard NF P 92-507 (2004) and PV no. EFR-21-002430 EFECTIS

4. Installation principles

Pressure relief device

In general,

When flanged, the slats should be arranged so as to leave a 8 mm gap between them (at the joints) and opposite any adjacent elements in order to prevent any accumulation of dimensional variations.

When fixed without a frame, the boards should be laid so as to leave a 3 mm gap between them (at the ends) and between them and any adjacent elements in order to prevent any accumulation of dimensional variations.

Cutting the boards

The profiles are cut using a fine-toothed saw. Small cuts can be made using a jigsaw. As the material is homogeneous and dyed throughout, the cut edges do not require any special treatment.

General principles and specific points

The figures in the idea book are a catalogue of examples of how to deal with special points. The company installing the product undertakes to familiarise itself with them. **SPACE** profiles are fixed using brackets and through bolts. **SHADOW** profiles are fixed using a frame assembly or plates.

Accessories

Finishing and fixing accessories (not supplied by **NEOLIFE**) must meet the following specifications:

- Anodised aluminium sheet, class 15 or 20 according to standard NF EN 1396. Thickness 10/10th, 15/10th mm or 20/10th mm.
- Galvanised steel sheet at least Z 350 according to standard NF EN 10326. Minimum thickness 6/10th.
- Galvanised steel sheet, minimum Z 275 and pre-coated in accordance with standard XP P34-301.

Please refer to standard NF P 24-351 for corrosion protection of sheet metal depending on local conditions.