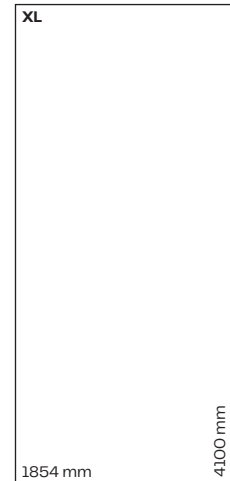
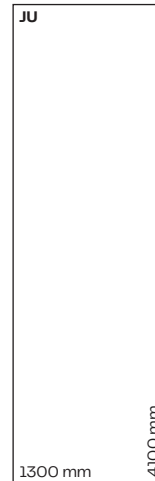
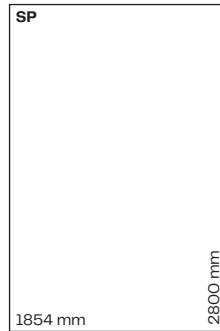


Max Compact Exterior F-Quality

A high-quality construction product with CE mark for use as durable balcony and facade cladding. The panels are thermoset high pressure laminates (HPL) in accordance with EN 438-6, type EDF, with extremely effective weather protection due to double-hardened acrylic polyurethane resins.



Surfaces

- NT
- NH (Hexa)/NT
(format 4100 x 1854 mm only)
- NG* (Gloss)/NG (Gloss)
(format 4100 x 1300 mm only)
- NY (SKY)/NT
(format 4100 x 1300 mm only, thicknesses 6 mm, 8 mm, limited decor palette)

Formats**

- 2800 x 1300 = 3.64 m²
110.24" x 51.18" = 39.18 sf
- 4100 x 1300 = 5.33 m²
161.42" x 51.18" = 57.37 sf
- 2800 x 1854 = 5.19 m²
110.24" x 72.99" = 55.87 sf
- 4100 x 1854 = 7.60 m²
161.42" x 72.99" = 81.81 sf

Thicknesses

Panels with double-sided decor:

| Thicknesses | Tolerances (EN 438-6, 5.3) |
|------------------|----------------------------|
| • 2.0 – 2.9 mm | ± 0.2 mm |
| • 3.0 – 4.9 mm | ± 0.3 mm |
| • 5.0 – 7.9 mm | ± 0.4 mm |
| • 8.0 – 11.9 mm | ± 0.5 mm |
| • 12.0 – 13.0 mm | ± 0.6 mm |

Panels with the Hexa surface:

| Thicknesses | Tolerances (EN 438-6, 5.3) |
|------------------|----------------------------|
| • 6.0 – 7.9 mm | ± 0.4 mm |
| • 8.0 – 11.9 mm | ± 0.5 mm |
| • 12.0 – 15.9 mm | ± 0.6 mm |
| • 16.0 – 20.0 mm | ± 0.7 mm |

Panels with sanded-reverse side:

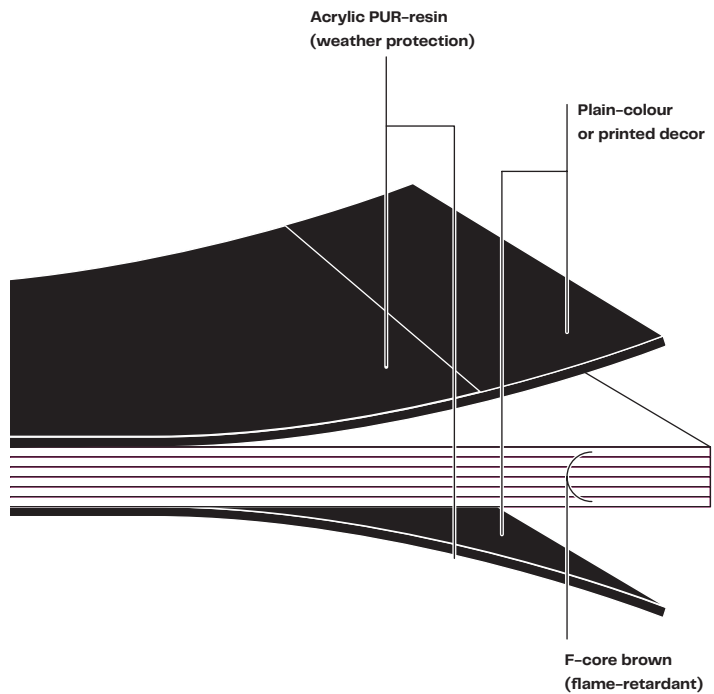
For symmetrically structured sandwich elements.

| Thicknesses | Tolerances (EN 438-6, 5.3) |
|----------------|----------------------------|
| • 2.0 – 2.9 mm | ± 0.2 mm |
| • 3.0 – 4.0 mm | ± 0.3 mm |

Core

- F-Quality
- flame-retardant
- colour brown

Structure Max Compact Exterior panel



Tip

Max Compact Exterior panels can also be produced with a white (reverse) side (decor O890 NT – Balcony white) for balcony interiors with a uniformly light design. Owing to the differing decor structure, the specified mounting distances should be reduced by at least 15%.

* For an optimal facade cladding appearance, we recommend installation by means of gluing to an aluminium substructure. Wood is not recommended, as irregularities result in a wavy appearance.

** Tolerances +10 – 0 mm (EN 438-6, 5.3), panel formats are production formats – cutting to size on all sides is recommended if dimensional and angular accuracy are required. The net dimensions are reduced by approx. 10 mm, depending on cutting.

Physical data

| Properties | Test method | Assessment | Standard Value ¹⁾ | Typical Value ²⁾ |
|--|----------------------------------|--------------------------------|---|---------------------------------|
| Light-fastness and weather resistance | | | | |
| Artificial weathering | EN 438-2:2016, clause 29, 3000 h | EN 20105-A02 grey scale | Contrast: ≥ 3 Appearance: ≥ 4 | Contrast: 4-5 Appearance: 5 |
| Resistance to UV light | EN 438-2:2016, clause 28 | EN 20105-A02 grey scale | Contrast: ≥ 3 Appearance: ≥ 4 | Contrast: 4-5 Appearance: 5 |
| Mechanical properties | | | | |
| Apparent density | DIN 52328 / EN ISO 1183 | g/cm ³ | $\geq 1,35$ | 1,44 |
| Flexural strength | EN ISO 178 | MPa | ≥ 80 | Width: 105 Length: 170 |
| Elasticity modulus | EN ISO 178 | MPa | $\geq 9,000$ | Width: 11,000 Length: 16,000 |
| Tensile strength | EN ISO 527-2 | MPa | - | Width: 95 Length: 140 |
| Resistance to impact with a large diameter ball | EN 438-2:2016, clause 21 | mm | ≤ 10 | 5 - 6 |
| Thermal properties | | | | |
| Resistance to wet condition | EN 438-2:2016, clause 15 | % | Mass increase ≤ 8 | 2 |
| Dimensional stability at elevated temperatures | EN 438-2:2016, clause 17 | % | Length: $\leq 0,30$ Width: $\leq 0,60$ | Length: 0,08 Width: 0,16 |
| Coefficient of thermal expansion | DIN 52328 | 1/K | | 18×10^{-6} |
| Thermal conductivity | | W/mK | | 0,3 |
| Water vapour diffusion resistance | | | | ca. 17.200 μ |
| Fire behaviour | | | | |
| Europe | EN 13501-1 | MA39-VFA Vienna | Euroclass B-s2, d0 for 6 - 13 mm** | |
| Fire behaviour of facades in Austria | ÖNORM B 3800-5 | MA39-VFA Vienna | Approved thicknesses 8 - 13 mm | |
| Switzerland | EN 13501-1 | MA39-VFA Vienna | Euroclass B-s2, d0 for 6 - 13 mm** | |
| France | NFP 92501 | LNE | M1 for 2 - 10 mm | |
| Spain | UNE 23727-90 | LICOF | M1 for 6 - 10 mm | |
| Permits | | | | |
| Facade permit Germany | | Institut für Bautechnik Berlin | 6, 8, 10 mm, Approval-No. Z-10.3-712 | |
| ETB guidelines for building components which safeguard against falls, June 1985. Balcony railings. | | TU Hannover | Passed (depending on building regulation and railing construction 6, 8 or 10 or 13 mm panel thickness) | |
| Avis technique Frankreich | | CSTB | 6, 8, 10 and 13 mm, wood- and metal subconstruction Avis Technique n° 2/16-1749 Avis Technique n° 2/14-1623 Avis Technique n° 2.2/13-1565*V1 Avis Technique n° 2/16-1716 Avis Technique n° 2/16-1753 Avis Technique n° 2.2/12-1505*V2 | |
| Winmark UK | | Wintech | A10114 | |

For the surface NT applies a gloss degree tolerance of +/- 5 GE measured at 60°. THE TOLERANCES INFORMATION SHEET (VERSION 2017-1-16) FROM THE ÖFHF (www.oefhf.at) SHALL APPLY WITH REGARD TO COLOR TOLERANCE

*Decor AUTN: artificial weathering EN ISO 4892-2: 1500h; Assessment according greyscale EN 20105-A02: 2

*Decor Individualdecor: artificial weathering EN ISO 4892-2: 3000h; Assessment according greyscale EN 20105-A02: 3

**Exception is Podio-Balcony Floor Panel; Euroclass B-s2,d0 for 6 - 20 mm

1) According To EN 438-6

2) Typical values result from internal quality tests. Typical values are only shown as examples and can't be used for any liability on the part of FunderMax (no promised guaranteed values). FunderMax only guarantees compliance with the standard values.

All the respective current certificates and approvals are available in the download section at www.fundermax.at.

Please observe all valid building regulations. We will assume no responsibility in this regard.

Please check whether your construction project meets the requirements for the effective restriction of fire propagation (e.g. AT: OIB RL 2, DE Sample Management Regulations for Technical Building Regulations MVV TB...). This brochure is intended for professionals who are familiar with the relevant standards, technical regulations, legal requirements and relevant guidelines for building products. These guidelines have been prepared with great care, but we would like to point out that the responsibility for the correct planning always lies with the planner and the responsibility for correct installation always lies with the installer.