Range of decors
SEPTEMBER 2017

universal

for people who create
Max Universal

FunderMax panels from the Universal collection are suitable for inside and exterior application. They are large-format duromer high-pressure laminates (HPL) in accordance with EN 438 type EGF. They are produced in lamination presses under great pressure and high temperature.

SURFACE
FH

FORMATS (production-sizes)
2800 x 1300 mm = 3,64 m²
4100 x 1300 mm = 5,33 m²
2800 x 1854 mm = 5,19 m²
4100 x 1854 mm = 7,60 m²

Tolerances: +10 - 0 mm

Panel formats are production formats. If exact dimensions and angles are necessary, we recommend an all-sided blank. Depending on the method of trimming, net size is reduced by ca. 10 mm.

CORE
F-Quality, colour brown

THICKNESSES
Panels with double-sided decor
Thicknesses Tolerances (EN 438-6, 5.3)
4,0 - 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 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

In order to be able to design the inner sides of balconies with a uniformly light look, it is also possible to produce Max Universal panels with a white (rear) side using decor 0890 NT – Balcony white. As a result of the differing decor structure, the fastening spacings given in our Technical Information brochures should be reduced by about 15 %
PHYSICAL DATA

**Possible uses**

**EXTERIOR APPLICATIONS**
- Facade cladding
- Balcony cladding
- Balcony partitions
- Attic cladding
- Wall protection cladding
- Railings
- Door, gate and parapet fillers
- Sports centre furnishing
- Playground furnishing

**INTERIOR APPLICATIONS**
- Wall cladding protection
- Railings
- Partitions
- Cubicles
- Furniture
- Tabletops

**PROPERTIES**

<table>
<thead>
<tr>
<th>TEST METHOD</th>
<th>ASSESSMENT</th>
<th>STANDARD VALUE</th>
<th>ACTUAL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN ISO 4892-2 1500 h</td>
<td>EN 20105-A02 grey scale</td>
<td>≥ 3</td>
<td>≥ 3</td>
</tr>
</tbody>
</table>

**MECHANICAL PROPERTIES**

<table>
<thead>
<tr>
<th>TEST METHOD</th>
<th>ASSESSMENT</th>
<th>STANDARD VALUE</th>
<th>ACTUAL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN ISO 1183-1</td>
<td>g/cm³</td>
<td>≥ 1,35</td>
<td>≥ 1,35</td>
</tr>
<tr>
<td>EN ISO 178</td>
<td>MPa</td>
<td>≥ 80</td>
<td>≥ 80</td>
</tr>
<tr>
<td>EN ISO 178</td>
<td>MPa</td>
<td>≥ 9,000</td>
<td>≥ 9,000</td>
</tr>
<tr>
<td>DIN 52328</td>
<td>1/K</td>
<td>18 x 10⁻⁶</td>
<td></td>
</tr>
<tr>
<td>W/mK</td>
<td>0,3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water vapour diffusion resistance</td>
<td></td>
<td></td>
<td>ca. 17,200 µ</td>
</tr>
</tbody>
</table>

**BUILDING MATERIAL CLASS**

- Building material class – Europe: EN 13501-1, MA39-VFA Vienna Euroclass B-s2, d0 für 6 - 13 mm
- Building material class – Austria: ÖNORM B38000/Teil 1, Österr. Kunststoffinstitut B1, Q1, TR1, ≥ 2 mm
- Building material class – Switzerland: Sicherheitsinstitut Brandenkennziffer 5 (200°C) 3
- Building material class – France: NFP 92501, LNE M1 für 2 - 10 mm

**LICENSES**

- Facade licence Germany: Institut für Bautechnik Berlin 6, 8, 10 mm, Licence no. Z-10.3-712
- ETB guidelines for building components which safeguard against falls, June 1985 balcony railings: TU Hannover Passed (according to building regulation and railing construction 6, 8, 10 or 13 mm panel thickness)
- Avis technique France: CSTB 6, 8, 10 und 13 mm, Wooden and metallic subconstruction, Licence no. Avis Technique n° 2/16-1749
- Avis Technique n° 2/13-1565
- Avis Technique n° 2/16-1716
- Avis Technique n° 2/16-1753
- Avis Technique n° 2/12-1505 V1

**PLEASE OBSERVE THE BUILDING REGULATIONS WHICH APPLY IN EACH CASE; WE ACCEPT NO LIABILITY REGARDING THIS. FOR THE SURFACE FH, A GLOSS LEVEL TOLERANCE OF ± 5 GE (MEASURED AT 60°) APPLIES.**
## DELIVERY PROGRAM

<table>
<thead>
<tr>
<th>DECOR-NO.</th>
<th>SURFACE</th>
<th>DECOR NAME</th>
<th>GR 2800 x 1300</th>
<th>JU 4100 x 1300</th>
<th>SP 2800 x 1854</th>
<th>XL 4100 x 1854</th>
</tr>
</thead>
<tbody>
<tr>
<td>0746</td>
<td>FH</td>
<td>Hygienic grey</td>
<td>●</td>
<td>●</td>
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<td>●</td>
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<tr>
<td>0771</td>
<td>FH</td>
<td>Alabaster</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>0772</td>
<td>FH</td>
<td>Mother of pearl</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>0773</td>
<td>FH</td>
<td>Clay</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>0774</td>
<td>FH</td>
<td>Fog grey</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>0775</td>
<td>FH</td>
<td>Aluminium grey</td>
<td>●</td>
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</tbody>
</table>

● = NO QUANTITY LIMIT, DELIVERY TIME PROVIDED UPON REQUEST.

RECOMMENDATIONS ON APPLICATIONS, WORKING AND CONSTRUCTION CAN BE FOUND IN OUR TECHNICAL INFORMATION BROCHURES.