

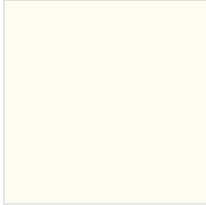
Universal

Range of decors

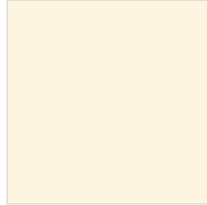
exterior

for
people
who
create

0771
Alabaster



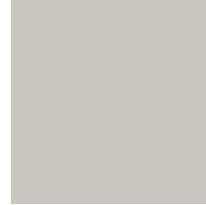
0772
Mother of pearl



0774
Fog grey



0775
Aluminium grey



0746
Hygienic grey



0773
Clay



DUE TO THE PRINTING PROCESS, THE ORIGINAL PATTERNS MAY DIFFER FROM THE IMAGES IN THIS BROCHURE.

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)
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 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 %. Please note the minimum quantity of 160 panels in sizes 2800 x 1300 mm and 2800 x 1854 mm resp. 120 panels in sizes 4100 x 1300 mm and 4100 x 1854 mm.



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, 1500 h	EN 20105-A02 grey scale	Contrast: ≥ 3 Appearance: ≥ 4	Contrast: ≥ 3 Appearance: 5

PROPERTIES	TEST METHOD	UNIT OF MEASUREMENT	STANDARD VALUE ¹	TYPICAL VALUE ²
MECHANICAL PROPERTIES				
Apparent density	DIN 52328 / EN ISO 1183	g/cm ³	≥ 1.35	1.44
Flexural strength	EN ISO 178	MPa	≥ 80	Width: 105 Length: 170
Elasticity modulus	EN ISO 178	MPa	≥ 9,000	Width: 11,000 Length: 16,000
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: ≤ 0.30 Width: ≤ 0.60	Length: 0.08 Width: 0.16
Coefficient of thermal expansion	DIN 52328	1/K		18 x 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° 2/13-1565* V1 Avis Technique n° 2/16-1716 Avis Technique n° 2/16-1753 Avis Technique n° 2/12-1505* V1	
Winmark UK		Wintech	A10114	

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.

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.

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



DECOR-NO.	SURFACE	DECOR NAME	GR	JU	SP	XL
			2800 x 1300	4100 x 1300	2800 x 1854	4100 x 1854
0746	FH	Hygienic grey	◆	◆	◆	◆
0771	FH	Alabaster	◆	◆	◆	◆
0772	FH	Mother of pearl	◆	◆	◆	◆
0773	FH	Clay	◆	◆	◆	◆
0774	FH	Fog grey	◆	◆	◆	◆
0775	FH	Aluminium grey	◆	◆	◆	◆

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

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

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