



Compact Exterior

Technical Data and Certifications

MATERIAL PROPERTIES TESTED IN ACCORDANCE TO EN 438-2 (average value of production control) - Classification CGS

Properties	Norms	Unit	Value
Physical data			
Apparent density	EN ISO 1183-1	g/cm ³	1,45
Mechanical properties			
Flexural strength	EN ISO 178	Mpa	≥ 90
E-Modulus	EN ISO 178	Mpa	≥ 9500
Tensile strength	EN ISO 527-2	Mpa	≥ 80
Thermal properties			
Coefficient of thermal expansion	DIN 52328	1/K	18 × 10 ⁻⁶
Thermal conductivity		W/mK	0,3
Resistance to vapour diffusion		μ	ca. 17 200
Artificial weathering	EN ISO 4892-2 3000 h EN 20105-A02 greyscale		4-5
Optical properties			
UV-light resistance	EN ISO 4892-3 1500 h EN 20105-A02 greyscale		4-5

REACTION TO FIRE CLASSIFICATION

Europe	EN 13501-1	MA39-VFA Vienna	Euroclass B-s2, d0 for 6-10 mm
Switzerland		EMPA Dübendorf	Fire classification 5.3 for 6 - 10 mm
Germany	DIN 4102	Institute for Construction-Berlin	B1 for 4 - 10 mm
France	NFP 92501	LNE	M1 for 2 - 10 mm
Spain	UNE 23727-90	LICOF	M1 for 6 - 10 mm

PERMITS

Facade permit Germany	Institute for Construction-Berlin	6, 8, 10 mm, Permit-No. Z-33.2-16
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 mm panel thickness)
Avis technique France	CSTB	6, 8, 10 and 13 mm, wood- and metal subconstruction, permit no. AT 2/07-1264, AT 2/07-1265