

Technical data.

roma/milano/square



	Balcony profiles roma/milano	square cladding panels			
Properties	Value	Value	Unit	Test specification	
1. Density	2700	approx. 1400	kg/m ³	EN 323	
2. Flexural strength	–	100–140	N/mm ²	EN 310/EN 438	
3. Elasticity modulus	70000	10000–14000	N/mm ²	EN 310/EN 438	
4. Tensile strength	215	70–100	N/mm ²	EN ISO 527/EN 438	
5. Swelling after storage in water at 20 °C	after 2 h	0.0	0.0–0.1	%	DIN 317 DIN 317
	after 24 h	0.0	0.1–0.2	%	
6. Moisture content	0.0	2–5	%	EN 322	
7. Temperature resistance under permanent load under temporary load	–50 to +70	–50 to +90	°C	WERZALIT TEST STANDARD	
	+120	+180	°C		
8. Fire behaviour Standard version Special version	inflammable	B2 resp. D-s2,d0		DIN 4102-1 resp. DIN EN 13501-1	
		B1 resp. B-s2,d0			
9. Length change due to moisture/ heat exposure ²⁾	1–2	1–2	mm/m	WERZALIT TEST STANDARD	
10. Thermal conductivity λ	280	0.30	W/m · K	DIN 52 612	
11. Water vapour permeability	0 diffusion-equivalent air layer thickness	–	m	DIN 52 615	
12. Cross-cut test ³⁾	Gt 0A–Gt 1A			EN ISO 2409	
13. Scratch resistance	0.5–1.5	≥ 3	N	EN 438	
14. Brinell hardness ⁴⁾	–	> 350	N/mm ²	WERZALIT TEST STANDARD	
15. Abrasion behaviour	–	> 350	U	EN 438	
16. Light fastness	Level 8	Level 6–8		EN ISO 105-B02	
17. Chemical resistance	limited resistance	good to very good		EN 438	
18. Cigarette burn resistance	resistant to burns	resistant to burns		analog EN 438	
19. Colour deviation ¹⁾	$\Delta E < 1$	$\Delta E < 1$		DIN 5033	
20. Impact load	impact resistant	impact resistant		WERZALIT TEST STANDARD/ ETB Directive	

1) With measurement geometry 0°/45°, standard illuminant "C"

2) Maximum expected length change under extreme climate fluctuations

3) Gt 0A is the best, Gt 4A is the worst value

4) 1000 N, 15 s application time, (force/area)

This technical data sheet can and should only be considered to provide non-binding advice.

We ask that all information concerning working with our products be adapted to the local conditions and the materials used.

Version: 03-2017 / TEAK

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Version: 03/2018

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