

## TO WHOM IT MAY CONCERN

### PRODUCT DETAILS

RAUSHELL Bravura a lightweight and durable exterior cladding panel, offers innovative solution to all construction needs. Which is designed to withstand extreme weather conditions. These wide range of high-end, opulent design with subtle differences that not only improve the exterior beauty of your building but also resist the harm that these conditions try to cause. These HPL compact laminate comes with an intrinsic surface manufactured using Hot coating technology.

A highly stable, dense panel with the ideal strength to weight ratio is manufactured by mixing cellulose fibers and thermosetting resins under high pressure and temperature. RAUSHELL Bravura comes in a variety of hues, including: Solid color, stone, and wood grain are ideal because they provide the toughness and beauty.

REHAU offers its premium range of exterior wall cladding: **RAUSHELL Bravura** with revolutionary Hot coating technology. Hot Coating is a fully automated process, where coating of high quality PU + acrylic is carried out on decorative surface to achieve incredibly durable, high scratch and abrasion wear resistance as compared to conventional process.

PROPERTIES	TEST METHOD	ATTRIBUTES OF PERFORMANCE	UNIT OF MEASUREMENT	RESULTS (AS PER EN 438-6)
SURFACE QUALITY	EN 438-2.4	Spots, Dirt and Similar surface defects	mm <sup>2</sup> /m <sup>2</sup>	≤ 2
		Fibres, hairs and scratches	mm/m <sup>2</sup>	≤ 20
Thickness	EN 438-2.5	Thickness tolerance	mm	5 ≤ T < 8 : ± 0,4
Size	EN 438-2.6	Length and width	mm	+ 10 / - 0
Straightness of edges	EN 438-2.7	Straightness of edges	mm/m	≤ 1,5
Squareness	EN 438-2.8	Squareness	mm/m	≤ 1,5
Flatness	EN 438-2.9	Flatness (measured on full-size sheet)	mm/m	6,0 ≤ T < 10,0 : 5
Flexural modulus	EN ISO 178	Stress	Mpa	≥ 9000
Flexural strength	EN ISO 178	Stress	Mpa	≥ 80
Density	EN ISO 1183	Density	gm/cm <sup>3</sup>	≥ 1,35
Resistance to impact with large diameter ball	EN 438-2.21	Indent. dia. 10mm T≥6mm - Drop Height	mm	≥ 1800
Resistance to wet conditions	EN 438-2.15	Mass increase - T ≥ 5 mm	Rating	EGS/EDS- ≤ 5, EGF/EDF- ≤ 8
		Appearance	Rating	≥ 4
Dimensional stability at elevated temperatures	EN 438-2.17	Cumulative dimensional change - T ≥ 5mm	L %	≤ 0,30
			T %	≤ 0,60
<b>WEATHER RESISTANCE REQUIREMENTS</b>				
Resistance to climatic shock	EN 438-2.19	Thermal Shock Resistance - Appearance	Rating	≥ 4
Resistance to artificial weathering	EN 438-2.29	Contrast	Grey scale rating	≥ 3
		Appearance	Rating	≥ 4
<b>FIRE PERFORMANCES</b>		<b>Test as per EN 13823 (SBI test) and EN ISO 11925-2 (Small-burner test)</b>		
Fire Reaction Classification, EGF-EDF	EN 135 01	Classification - T ≥ 6 mm	Rating	B - s1, d0
<b>OTHER PROPERTIES</b>				
Release of Formaldehyde	EN 438-7.4.11.1	Classification	Rating	E1

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