

Fundermax Compact Exterior, F Quality, NT Surface 6mm Lap Siding, Routed Edge Clip System

Technical Properties Datasheet

Panel Core	Standard Dark Brown Core, Finish on both sides		
Porosity	Non Porous surface and edges		
Antimicrobial Characteristics	Fundermax panels do not support microorganic growth		
Modulus of Elasticity	≥ 9500 N/mm ²	≥1,378,165 psi	property tested according to ES 438.2
Tensile Strength	≥ 80 N/mm ²	≥11,603 psi	property tested according to ES 438.2
Flexural Strength	≥ 90 N/mm ²	≥13,053 psi	property tested according to ES 438.2
Density	1.45 g/cm ³	Per EN ISO 1183-1	1 N/mm² = 1Mpa
Surface Impact Resistance	8 mm O	Falling ball test per EN 438-2:21, (standard value ≤ 10mm)	
Scratch Resistance	Grade 3 / 4 N	4 N = .9 lbf	Per EN 438-2:25
Abrasion Resistance	450 U	1 U= 1 cycle of rotation, property as tested per ES 438.2	
Water Absorption	Lengthwise ≤ .15 %, Crosswise ≤ .25%		Dimensional Stability per EN438-2:17
Color Stability	Blue Scale ≥ BS 7	Per DIN 53952	
Color Stability -Artificial Weathering	Greyscale value 4-5	Per EN ISO 4892-2,industry standard ≥ 3	
Color Stability -UV Light Resistance	Greyscale value 4-5	Per EN ISO 4892-3,industry standard ≥ 3	

Burning Classification	Class A rating	As tested per ASTM E 84
FSI (Flame Spread Index)	5	As tested per ASTM E84
SDI (Smoke Develop Index)	130	As tested per ASTM E84

Maximum Design Pressure with vertical battens (panel attachments) at 16" centers	188 psf
Maximum Design Pressure with vertical battens (panel attachments) at 24" centers	73 psf

Coefficient of Thermal Expansion	18 x 10 (-6) K	Per DIN 52328
Thermal Conductivity	.3 W/ mK	
Water Vapor Diffusion Resistance	ca. 17.20 μ	
Dimensional Changes during climatic changes, measured at 20 degrees Celsius	I %	0.05
	Q %	0.1
Dimensional Changes during climatic changes, measured at elevated temperatures	I %	0.1
	Q %	0.25
Behavior in damp heat, alternating atmosphere	No noticeable change	
Dimensional Tolerance of Nominal Sizes	0-10mm	
Dimensional Tolerance of Thicknesses	+/- .5 mm	
Resistance to Chemicals	Fundermax panels are highly resistant to many chemicals, complete list available on request	
Ease of maintenance/Cleaning	Fundermax panels resist dirt, easily cleaned with common agents,complete list available	

6mm Lap Siding System is for installed heights below 40' only