

**FunderMax Compact Exterior, F Quality, NT Surface**  
**Technical Properties Datasheet**

<b>Panel Core</b>	Standard Dark Brown Core, Finish on both sides		
<b>Porosity</b>	Non Porous surface and edges		
<b>Antimicrobial Characteristics</b>	Fundermax panels do not support microorganic growth		
<b>Modulus of Elasticity</b>	≥ 9000 N/mm <sup>2</sup> (>1,305,340 psi)	per EN 438.2	1 N/mm <sup>2</sup> = 1MPa
<b>Tensile Strength</b>	≥ 80 N/mm <sup>2</sup> (>11,603 psi)	per EN 438.2	1 N/mm <sup>2</sup> = 1MPa
<b>Flexural Strength</b>	≥ 90 N/mm <sup>2</sup> (>13,053 psi)	per EN 438.2	1 N/mm <sup>2</sup> = 1MPa
<b>Density</b>	1.35 g/cm <sup>3</sup>	per EN ISO 1183-1	
<b>Surface Impact Resistance</b>	≤ 10 mm	per EN 438-2:21, standard value is ≤ 10mm	
<b>Scratch Resistance</b>	class 4 / 6 N (1.3 lbf)	per EN 438-2:25, standard value is class 3 / 4 N	
<b>Abrasion Resistance</b>	≥ 450 U	per EN 438.2 standard value is 300U; 1 U = 1 cycle of rotation	
<b>Artificial Weathering &amp; Lightfastness</b>	4-5	Greyscale value per EN ISO 4892-2, industry standard ≥ 3	
<b>Resistance to Fixings - Pullout Strength</b>	>.3937 in: > 4000 N	per ISO 13894-1	

<b>Burning Classification per ASTM E 84</b>	class A rating		
<b>Thickness</b>	<b>8mm</b>	<b>10mm</b>	<b>12mm</b>
<b>FSI (Flame Spread Index)</b>	15	10	5
<b>SDI ( Smoke Develop Index)</b>	70	60	95

<b>Thermal Conductivity</b>	0.3 W/ mK	Dimensional Stability per EN 438-2:17
<b>Water Vapor Diffusion Resistance</b>	ca. 17,200 μ	
<b>Dimensional Changes</b> during climatic changes, measured at elevated temperatures	L: 0.15% Q: 0.25%	Dimensional Stability per EN 438-2:17
<b>Dimensional Tolerance of Nominal Sizes</b>	+10mm / - 0mm	
<b>Dimensional Tolerance of Thicknesses</b>	≤12mm: +/- .5 mm	
<b>Resistance to Chemicals</b>	Fundermax panels are highly resistant to many chemicals, full list available on request	
<b>Ease of maintenance/Cleaning</b>	Fundermax panels resist dirt, easily cleaned with common agents, list available	

**See FunderMax ICC ESR #3340 for ICC AC92 compliance (NFPA285 assemblies, and all other IBC code prescribed tests)**

Note: Values are average values