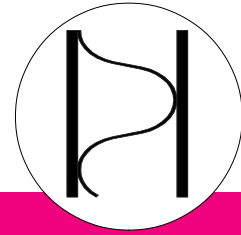
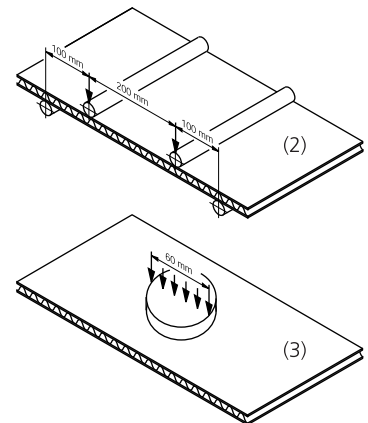


Data sheet

Very rigid panel  
with high load-bearing capacity



Panel type	Alu hl 10-03-10 hl / H15	
<b>Top cover sheet</b>		
Thickness of sheet	1.0 mm	(US: 0.039 in)
Surface	primered	
Alloy / Condition	EN AW-5754 H48	
Proof stress $R_{p0.2}$ [N/mm <sup>2</sup> ]	≥ 220	
Tensile stress $R_m$ [N/mm <sup>2</sup> ]	≥ 280	
<b>Back cover sheet</b>		
Thickness of sheet	1.0 mm	(US: 0.039 in)
Surface	primered	
Alloy / Condition	EN AW-5754 H48	
Proof stress $R_{p0.2}$ [N/mm <sup>2</sup> ]	≥ 220	
Tensile stress $R_m$ [N/mm <sup>2</sup> ]	≥ 280	
<b>Dimensions</b>		
Overall thickness [mm]*	15 ± 0.2	(US: 0.591 in ± 0.008 in)
Standard width [mm]*	1,500 -0/+6 <sup>(4)</sup>	(US: 4.92 ft -0/+0.236 in) <sup>(4)</sup>
Standard length [mm]*	3,000 -0/+6	(US: 9.84 ft -0/+0.236 in)
* other dimensions on request		
<b>Mechanical and physical properties<sup>(7)</sup></b>		
Weight [kg/m <sup>2</sup> ]	7.3	
Rigidity [Nmm <sup>2</sup> /mm] <sup>(2)</sup> EI/b, longitudinal / transverse	8.0 E+6 / 6.8 E+6	
Bending moment [Nmm/mm] <sup>(2)</sup> Limit of elasticity $M_{el}$ , longitudinal / transverse Max. bending moment $M_{max}$ , longitudinal / transverse	≥ 3,200 / 2,650* ≥ 4,200 / 2,650*	
Compressive strength [N/mm <sup>2</sup> ] punch-Ø 60.0 mm <sup>(3)</sup> punch-Ø 6.0 mm	≥ 2.2 ≥ 25	
Temperature stability <sup>(6)</sup>	-40 to 100 °C (US: -40 to 212 °F)	
Approvals / Certificates	on request	



Alu hl 10-03-10 hl / H15

- (1) High Durable Polyester (HDP) coilcoated  
Other colours and paint-systems on request
- (2) Bending test at room temperature  
Depending on the direction of the corrugated core the bending tests are done:  
longitudinal: bending axis perpendicular to the corrugation  
4-point bending test following DIN 53293  
transverse: bending axis parallel to the corrugation  
\* values for shear-resistant fixing or large span ( Euler's – buckling)  
by a short and flexible shear fixing bending values are lower,  
limited by a shear of the core material
- (3) Pressure test at room temperature following DIN 53291
- (4) Border margin max. 5 mm (US: max. 0.197 in)
- (6) Others on request
- (7) Further characteristics can be supplied on demand