



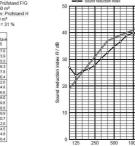
Panel type	Alu-Silent hl 10-03-10 hl / H11.5
Top cover sheet	
Thickness of sheet Surface Alloy / Condition Proof stress R _{p0,2} [N/mm²] Tensile stress R _m [N/mm²]	1.0 mm primered EN AW-5754 H48 ≥ 220 ≥ 280
Back cover sheet	
Thickness of sheet Surface Alloy / Condition Proof stress R _{p0,2} [N/mm ²] Tensile stress R _m [N/mm ²]	1.0 mm primered EN AW-5754 H48 ≥ 220 ≥ 280
Dimensions	
Overall thickness [mm]* Max. width [mm]* Length [mm] * other dimensions on request	11.5 ± 0.2 1,500 -0/+2 on request
Mechanical and physical properties (7)	
Sound reduction index R _w [dB] Weight [kg/m²]	20
Rigidity [Nmm²/mm] (2) E·l/b, longitudinal / transverse	5.1 E+6 / 3.5 E+6
Bending moment [Nmm/mm] $^{(2)}$ Limit of elasticity M_{el} , longitudinal / transverse Max. bending moment M_{max} , longitudinal / transverse	≥ 2,200 / ≥ 1,000 ≥ 3,000 / ≥ 1,000
Compressive strength [N/mm²] punch ø 60,0 mm (3) punch ø 6,0 mm	≥ 6 ≥ 40
(6)	

- (1) High Durable Polyester (HDP) coilcoated Other colours and paint-systems on request
- (2) Bending test at room temperature following DIN 53293 Since the panel core is a corrugated sheet, two different load cases have to be considered: longitudinal: bending axis perpendicular to the corrugation transverse: bending axis parallel to the corrugation
- (3) Pressure test at room temperature following DIN 53291
- (4) Border margin max. 5 mm

Temperature stability (6)

- (6) Others on request
- (7) Further characteristics can be supplied on demand





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