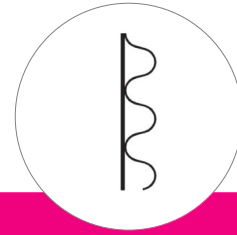
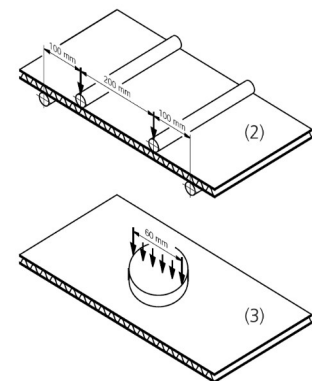


Data sheet

One cover sheet
easy shaping



Panel type	Aluflex hl 05-02 hl / H4.7
Top cover sheet	
Thickness of sheet	0.5 mm
Surface	primered
Alloy / Condition	EN AW-5182 H48
Proof stress $R_{p0.2}$ [N/mm ²]	≥ 300
Tensile stress R_m [N/mm ²]	≥ 330
Corrugation	
Thickness of sheet	0.2 mm
Surface	primered
Dimensions	
Overall thickness [mm]	4.7 ± 0.15
Standard width [mm]	1,500 -0/+6 ⁽⁴⁾
Standard length [mm]	Roll 20,000 ⁽⁵⁾
other dimensions on request	
Mechanical and physical properties ⁽⁷⁾	
Weight [kg/m ²]	2.2
Rigidity [Nmm ² /mm] ⁽²⁾ E I/b, longitudinal / transverse	110,000 / -
Bending moment [Nmm/mm] ⁽²⁾ Limit of elasticity M_{el} , longitudinal / transverse Max. bending moment M_{max} , longitudinal / transverse	≥ 60 / - ≥ 110 / -
10%-Compressive strength [N/mm ²] ⁽³⁾	≥ 1.4
Temperature stability ⁽⁶⁾	-40 to 100 °C
Approvals / Certificates	on request



Aluflex hl 05-02 hl / H4.7

- (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
- (5) Cut by hammer shears
- (6) Others on request
- (7) Further characteristics can be supplied on demand