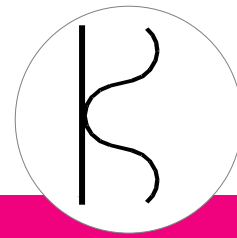
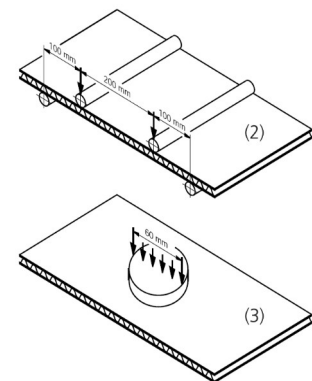


Data sheet

One cover sheet
easy shaping



Panel type	Aluflex hl 05-03 hl / H9.2
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	0.3 mm
Surface	primered
Dimensions	
Overall thickness [mm]	9.2 ± 0.2
Standard width [mm]	1,500 -0/+6 ⁽⁴⁾
Standard length [mm]	3,000 -0/+6 ⁽⁵⁾
other dimensions on request	
Mechanical and physical properties ⁽⁷⁾	
Weight [kg/m ²]	2.9
Rigidity [Nmm ² /mm] ⁽²⁾ E I/b, longitudinal / transverse	800,000 / -
Bending moment [Nmm/mm] ⁽²⁾ Limit of elasticity M_{el} , longitudinal / transverse Max. bending moment M_{max} , longitudinal / transverse	≥ 500 / - ≥ 700 / -
10%-Compressive strength [N/mm ²] ⁽³⁾	≥ 2.4
Temperature stability ⁽⁶⁾	-40 to 100 °C
Approvals / Certificates	on request



Aluflex hl 05-03 hl / H9.2

- (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 (US: max. 0.197 in)
- (5) Cut by hammer shears
- (6) Others on request
- (7) Further characteristics can be supplied on demand