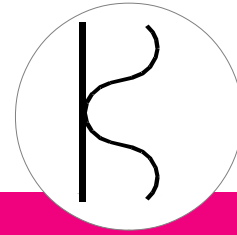
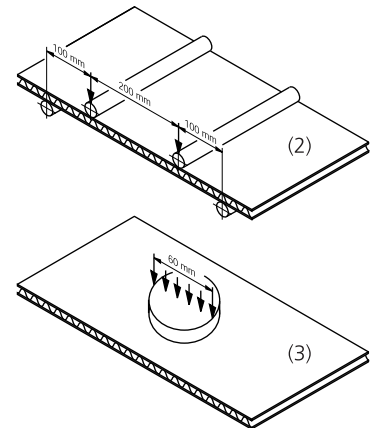


## Data sheet

One cover sheet  
easy shaping



Panel type	Aluflex hl 05-03 hl / H9.2
<b>Top cover sheet</b>	
Thickness of sheet	0.5 mm
Surface	primered
Alloy / Condition	EN AW-5182 H48
Proof stress $R_{p0.2}$ [N/mm <sup>2</sup> ]	≥ 300
Tensile stress $R_m$ [N/mm <sup>2</sup> ]	≥ 330
<b>Corrugation</b>	
Thickness of sheet	0.3 mm
Surface	primered
<b>Dimensions</b>	
Overall thickness [mm]*	9.2 ± 0.2
Standard width [mm]*	1,500 -0/+6 <sup>(4)</sup>
Standard length [mm]*	3,000 -0/+6 <sup>(5)</sup>
* other dimensions on request	
<b>Mechanical and physical properties<sup>(7)</sup></b>	
Weight [kg/m <sup>2</sup> ]	2.9
Rigidity [Nmm <sup>2</sup> /mm] <sup>(2)</sup> EI/b, longitudinal / transverse	800,000 / -
Bending moment [Nmm/mm] <sup>(2)</sup> Limit of elasticity $M_{el}$ , longitudinal / transverse Max. bending moment $M_{max}$ , longitudinal / transverse	≥ 500 / - ≥ 700 / -
10%-Compressive strength [N/mm <sup>2</sup> ] <sup>(3)</sup>	≥ 2.4
Temperature stability <sup>(6)</sup>	-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