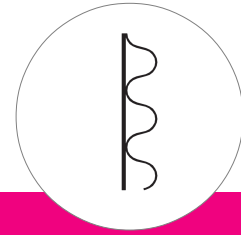
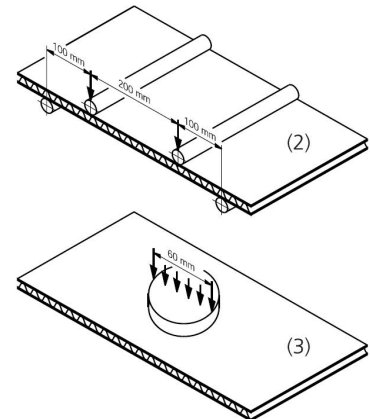


## Data sheet

One cover sheet  
easy shaping



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