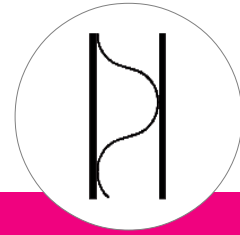
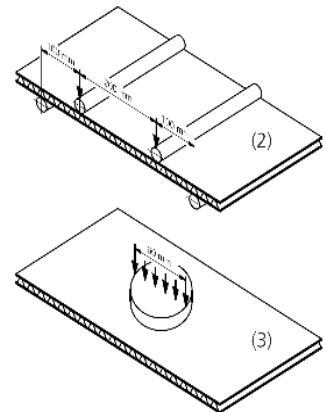


**Very rigid panel with
high load-bearing capacity**



Panel type	Alu hl 10-03-10 hl / H11.5
Top cover sheet	
Thickness of sheet	1.0 mm
Surface	primered
Alloy / Condition	EN AW-5754 H48
Proof stress $R_{p0.2}$ [N/mm ²]	≥ 220
Tensile stress R_m [N/mm ²]	≥ 280
Back cover sheet	
Thickness of sheet	1.0 mm
Surface	primered
Alloy / Condition	EN AW-5754 H48
Proof stress $R_{p0.2}$ [N/mm ²]	≥ 220
Tensile stress R_m [N/mm ²]	≥ 280
Dimensions	
Overall thickness [mm]*	11.5 ± 0.2
Standard width [mm]*	1,500 -0/+6 ⁽⁴⁾
Standard length [mm]*	3,000 -0/+6
* other dimensions on request	
Mechanical and physical properties ⁽⁷⁾	
Weight [kg/m ²]	7.2
Rigidity [Nmm ² /mm] ⁽²⁾ EI/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 / ≥ 900 ≥ 3,000 / ≥ 1,000
Compressive strength [N/mm ²] ⁽³⁾	≥ 3.75
Temperature stability ⁽⁶⁾	-40 to 100 °C
Approvals / Certificates	on request



Alu hl 10-03-10 hl / H11.5

(1) High Durable Polyester (HDP) coilcoated
Other colours and paint-systems on request

(2) Bending test at room temperature following DIN 53293

The bending stiffness is a value that describes the bending behavior of the panel. The tolerances permitted by the standard for the specified sheets and the thickness tolerance of the panel can lead to deviations from the specified values.

Since the panel core is a corrugated sheet, two different load cases have to be considered:

longitudinal: bending axe perpendicular to the corrugation

transverse: bending axe parallel to the corrugation, specified values refer to spans > 400 mm

(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