

PLY - ALU Honeycomb Panel

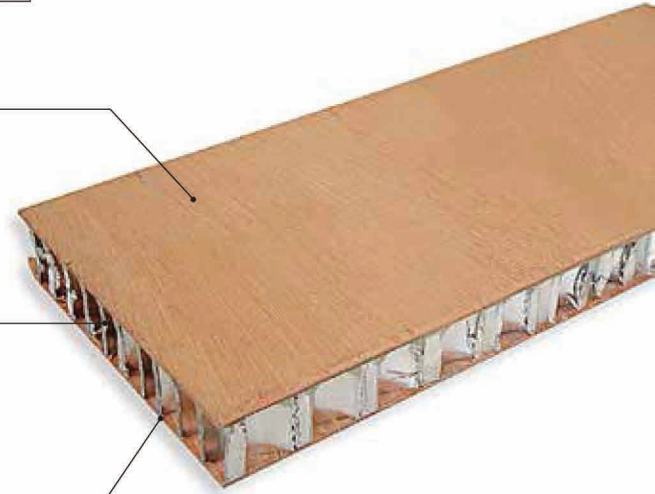
Panel's composition

SKINS OF PLYWOOD

Thickness: from 2 to 8 mm

CORE

Aluminium honeycomb (Alloy 3003)
 hexagonal cells
Cell Size [D]mm: 6,9,12,19,25
Density: from 20 to 85 Kg/m³



On request: . other qualities of plywood.

Panel's weight

- Honeycomb core ALU 9mm

Total thickness mm	14	16	18	20
SKIN thickness mm	3+3	3+3	4+4	4+4
CORE thickness mm	8	10	10	12
Weight kg/m ²	3.38	3.5	4.4	4.42

Standard dimensions

(other dimensions available on request)



Honeycomb core's Properties

Type	ALUMINIUM ALLOY 3003				
Effective Temperature Range °C	From - 50 to + 175				
Cell Size [D] mm	6	9	12	19	25
Density [Kg/m ³]	85	54	38	30	20
Compressive Bare Strength [kg/mm ²]	0.47	0.26	0.14	0.09	0.05
Crush Strength [kg/mm ²]	0.19	0.08	0.05	0.03	0.02
Bonding Strength [kg/mm ²]	36	28	26	21	19
Compressive Stabilised Strength [kg/mm ²]	0.50	0.27	0.15	0.09	0.06
Compressive Stabilised Modulus [kg/mm ²]	111	67	31	18	12



Aluminium honeycomb