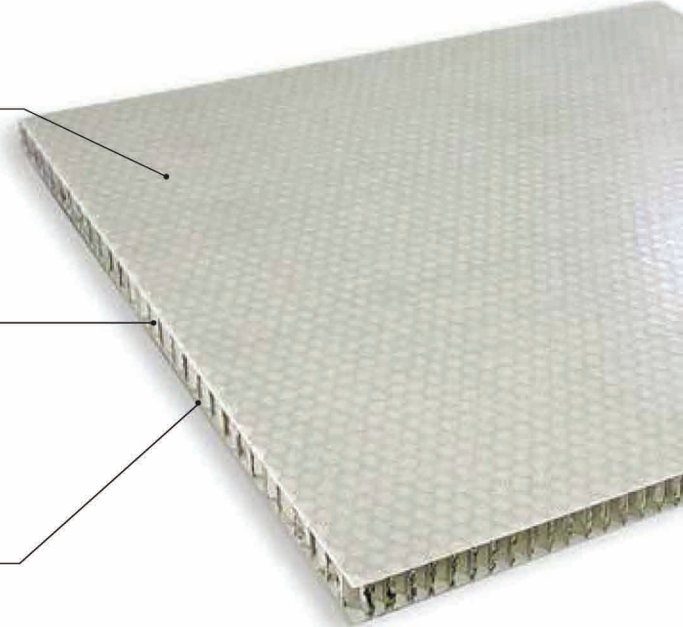


## FRP - ALU Honeycomb Panel

### Panel's composition

**SKINS IN BIDIRECTIONAL GLASSFIBER FABRIC**  
 impregnated with epoxy resin  
**Thickness** : 0.5mm, 1.0mm

**CORE**  
 Aluminium honeycomb (Alloy 3003)  
 with hexagonal cells  
**Cell Size [D]** mm: 6,9,12,19,25  
**Density**: from 20 to 85 Kg/m<sup>3</sup>



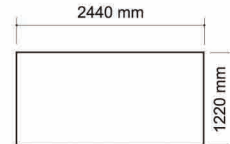
On request: • other type of fabric

### Panel's weight

• Honeycomb core ALU 6mm

Total thickness mm	10	15	20	25	30
SKINS' thickness mm	0.5 + 0.5				
CORE'S thickness mm	9	14	19	24	29
Weight kg/m <sup>2</sup>	4.1	4.4	4.7	4.9	5.2

### 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 mm [D]	6	9	12	19	25
Density [kg/m <sup>3</sup> ]	85	54	38	30	20
Compressive Bare Strength [kg/mm <sup>2</sup> ]	0.47	0.26	0.14	0.09	0.05
Crush Strength [kg/mm <sup>2</sup> ]	0.19	0.08	0.05	0.03	0.02
Bonding Strength [kg/mm <sup>2</sup> ]	36	28	26	21	19
Compressive Stabilised Strength [kg/mm <sup>2</sup> ]	0.50	0.27	0.15	0.09	0.06
Compressive Stabilised Modulus [kg/mm <sup>2</sup> ]	111	67	31	18	12



Aluminium honeycomb