

## GI-ALU Honeycomb Panel

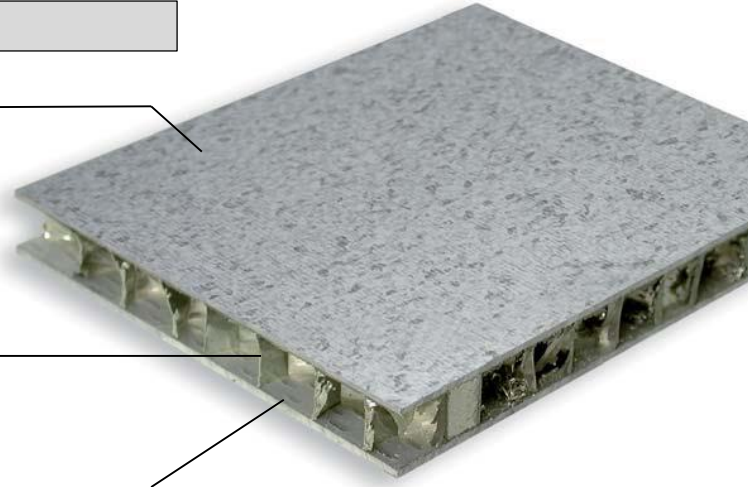
### Panel's Composition

#### SKIN OF GALVANIZED IRON

**Thickness:** 0.5mm, 0.6mm, 0.8mm, 1.0mm

#### CORE

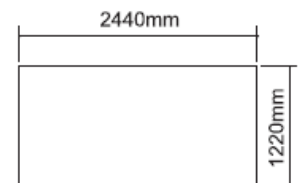
Aluminium honeycomb (Alloy 3003)  
 with hexagonal cells  
**Cell Size [D]** mm: 6, 9, 12, 19, 25  
**Density:** from 20 to 85 Kg/m<sup>3</sup>



**On request:** - other thicknesses from 6mm – 200mm  
 - pre paint with RAL colors

Panel's Weight					
• Honeycomb core ALU 9mm					
<b>Total thickness mm</b>	10	15	20	25	30
<b>SKINS' thickness mm</b>	0.5 + 0.5				
<b>CORE'S thickness mm</b>	9	14	19	24	29
<b>Weight kg/m<sup>2</sup></b>	9.1	9.4	9.7	9.9	10.2

**Standard Dimensions**  
 (other dimensions available on request)



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

