



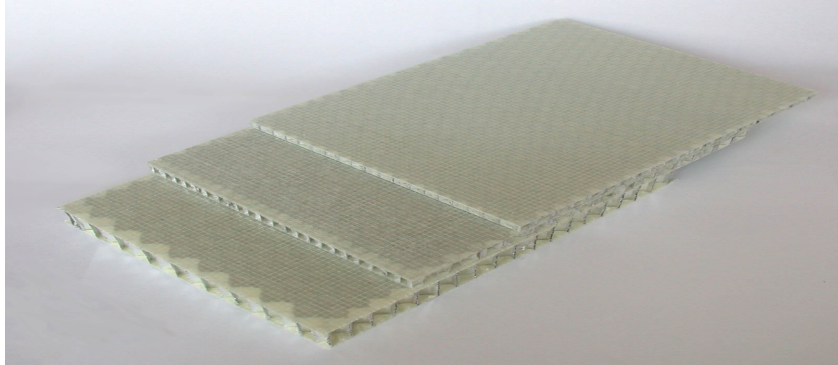
**STARCELL S.p.A. - Honeycomb & Composite Panels**

Via Sebenico 22 - 20124 Milano

Tel: +39 026883537 - Fax : +39 0269008152

E Mail: [info@starcellspa.com](mailto:info@starcellspa.com) Website: [www.starcellspa.com](http://www.starcellspa.com)

## RAWCELL® PGAL300T Panel



PANEL THICKNESS: 5 – 10 – 12,7 – 15 – 20 mm.(standard thicknesses).

EXTERNAL COATINGS: Epoxy Fiberglass fabric (300 gr/sqm dry weight).

ADHESIVE: High temperature and high pressure adhesive.

CORE: Aluminum honeycomb ( 3003 / 3105 alloy ). Cell sizes: 1/4" (standard) – 3/8" (optional only for high quantity).

### Technical Specifications

**RAWCELL® PGAL300T** is a structural composite panel with an aluminium, manufactured in the following way:

- Face sheets in fibreglass ( dry material weight: 300 gr/m<sup>2</sup>) impregnated by STARCELL Spa with its own formulation of self-extinguishing epoxy resin (class 1 classification).
- Internal core manufactured using an aluminium honeycomb sheet by STARCELL Spa in its own manufacturing plants. Honeycomb manufactured by STARCELL Spa is in full compliance with all the current legislation requisites in force.
- Bonding process is based over a high temperature and pressure adhesive with cooling control (STARCELL Spa formula).
- Application field for 'PGAL300T' is that typical for light stone/marble market both for internal and external applications; the product is supplied both in standard and 'customized' dimensions to satisfy all the customer requests about a support with excellent performances and low costs.



STARCELL SpA - Sede Legale: Zona Industriale Nerico – 85020 Pescopagano (PZ)

Cap.Soc. € 3.755.960,00 - Isc.N. 1689 Trib.Melfi (PZ) - fasc.67 C.C.I.A.A 75469 -C.F. 07946310153 - P.IVA 01041320761

Pag. 1/3

PGAL300T Panel

## Features

- Excellent resistance to cutting and bending stress.
- Excellent dimensional stability, including that regarding flatness.
- Excellent resistance to compression ( aluminium honeycomb).
- Highest mechanical performance in relation to considerable panel light weight.
- Excellent resistance to atmospheric agents.
- Operating temperatures range from -40°C to + 80°C.

## Physical Characteristics

Wide (mm)	1.270 – 1.550 (Std)
Length (mm)	2.550 / 3.050 (Std)
Dimension tolerances (mm)	+/- 1
Thickness tolerances (mm)	+ /- 0,3
Skins	E-glass woven roving 300 gr/sqm epoxy prepreg
Honeycomb	Aluminium 3003 (60 µ) Cell 6,35 Density: 65 Kg/m <sup>3</sup>

## Mechanical Characteristics

Feature	Result	Reference
Fire properties	Class 1	CSE RF 3/77 e CSE RF 2/75 A
Peeling strength (N)	>130 (min)	DIN 53295
Compression strength* (Kg/cm <sup>2</sup> )	20	UNI 4913
Max load* (N)	1200	UNI EN 14125; DIN 53293
Bending at max load* (mm)	7,25	UNI EN 14125; DIN 53293
E modulus* (N/mm <sup>2</sup> )	28300	UNI EN 14125; DIN 53293
Rigidity* R (Nm <sup>2</sup> )	69	UNI EN 14125; DIN 53293
Aging	Istituto Giordano	Certificate n°85086

\* Tests carried out in internal laboratory. Values referred to PGAL300T06/15.

PGAL300T Panel



**Product Code**

PGAL300T is identified with the following code:

**PGAL300T 6006/20**

**PGAL300T:** Panel Type.

**60:** Thickness of aluminum foil to be used for honeycomb manufacturing (micron).

**06 :** Cell dimension (6,35 mm).

**20:** Panel thickness (mm).

**Storage**

The **PGAL300T** panel is a semi-worked product and therefore subject to further working. It should be stored horizontally.

**Safety Data Sheets**

The product safety details are available in either Italian or English upon request. For further information please go to [www.starcellspa.com](http://www.starcellspa.com).

**PGAL300T Panel**

*N.B.- The information herein is believed to be correct to the best of Starcell S.p.A's knowledge; we do not warrant the accuracy and completeness of the property features and their particular applications. Starcell S.p.A reserves the right to make any modifications.*

**Rev. 3 – 19\_09\_2017**

