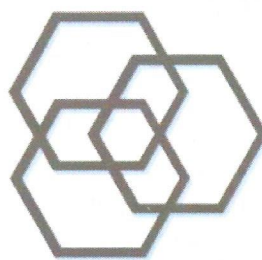


# YOUR PARTNER FOR COMPOSITE MATERIALS

**I.MA.TEC.**  
HONEYCOMB & DERIVATI



 **Honeycombs**

 **Adhesives**

 **Prepregs**

 **Reinforcements**



[www.imatec.it](http://www.imatec.it)



## ALUMINIUM HONEYCOMB

ALLOY 5056 – 5052 – 3003

DENSITY from 34kg/m<sup>3</sup> to 192kg/m<sup>3</sup>

CELL SIZE 1/8" – 3/16" – 1/4" – 3/8" – 1/2" – 3/4"

Hexagonal or Overexpanded cell size

Microperforated and Not

Thickness on request of customer: from 1,5mm to up

Corrosion resistance treatment

Standard size 1220x2440mm and 1500x3000mm

Special size on request

## CORRUGATED HONEYCOMB

ALLOY 5052 - CELL SIZE 1/8" and 3/16"

High density & high resistance at crush

Thickness on request of customer

## FLEXCORE ALUMINIUM®

ALLOY 5056 – 5052

CELL SIZE F40 – F80

DENSITY from 2,1 PCF to 8,0 PCF

Thickness on request of customer

Honeycomb to bend to 360°c

without deformation for wall hexagon



## NOMEX HONEYCOMB®

AERO & INDUSTRIAL GRADE

DENSITY from 29kg/m<sup>3</sup> to 144kg/m<sup>3</sup>

CELL SIZE 1/8" – 3/16" – 1/4" – 3/8"

Hexagonal or Over-expanded cell size

Standard size 1250x2500mm

Thickness on request of customer: from 1,5mm to up

## FLEXCORE NOMEX®

HRH10 aero grade

CELL F50 & F35

DENSITY from 2,5 PCF to 5,5 PCF

Thickness on request of customer

Honeycomb made to bend to 360°c



## HEXTOOL®

Multi-Axial High Temperature Epoxy Tooling Compound

## HEXMC®

High performance carbon moulding composite



**TOLERANCE  
THICKNESS  
HONEYCOMB**

STANDARD +/-0,10mm

SPECIAL +/-0,05mm



## REDUX ® - ADHESIVE FILM RANGE

Primers : REDUX 112 & REDUX 122 / Foaming: REDUX 212NA  
Structural: REDUX 312 – REDUX 319 – REDUX 322 – REDUX 609



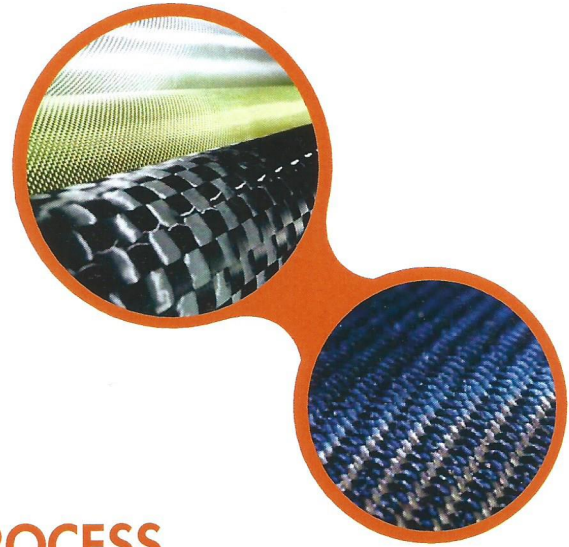
## FABRIC RANGE

Fibre: ARAMID – CARBON – GLASS  
Weight: from 60grams/sqm to  
1030grams /sqm  
Weave: Pw, Twill 2x2,  
4H – 5H – 8H satin, UD



## PRE-PREG RANGE

Fibre: ARAMID – CARBON – GLASS  
Resin : EPOXIES – PHENOLIC – BMI  
Cure temp. from 75°C to 180°C  
Market: AERONAUTIC – INDUSTRIAL



## SPECIAL PROCESS

### SANDWICH PANELS

Production of sandwich panels with honeycomb core (aluminum or nomex) and skins in pre-preg (carbon or glass) or in aluminum.  
Thickness on request of customer -  
standard size 1250x2500mm or 1500x3000mm

### ENERGY ABSORBER

Production of high resistance products made in honeycomb to absorb the energy (pre-crush on request)  
Market : automotive, railways, aerospace

### DRILLED HONEYCOMB

Special holes into cells to permit the circulation of air into all surface (vacuum tables & mould).

### WIND TUNNEL

Special products to filter the air and canalize the blow.

### INCLINED CUT

Produces differing degrees of perpendicularity between the various surfaces of the panel.

Since 1990 I.MA.TEC. has been producing high technology materials for the composites industry. I.MA.TEC joined Groupe Gazechim, the French distribution specialist, in 2012.

Tradition and innovation have over the years made the company known for its quality and reliability.

Our priority objectives are efficient organization, staff training, Processes, machinery and equipment that provide a high level of quality and speed delivery.

I.MA.TEC. is certified UNI EN 9100:2009, UNI EN 9120:2010 and UNI EN ISO 9001: 2008 by DNV.



**For information on our full range of products,  
please **contact us**.  
Most of these productions are on stock.**

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