

COMPOSITES THAT CREATE VALUE

## ■ Benefit from the experience of a leader

Magnus Composites is an established name in the manufacture of building and construction products made of composite material. Our unique combination of technology, ingenuity and continuous improvement has made us a frontrunner in the composites industry for over 30 years. We have raised performance standards by delivering improved durability, weightlessness, weather-proofing, versatility, strength, heat and electrical insulation and acoustic properties.

Over the years, we realized an emerging need for better quality products, so we invested in technologies to manufacture these using Fiber Reinforced Polymers (FRP), a common form of composite material. Our experience and our vision helped us deliver solutions that replaced traditional materials and earn the reputation of a high value, high quality producer.



Composite products are materials made of two or more technically selected raw materials, primarily matrix and reinforcement, which are engineered to match different physical, chemical and mechanical properties required by the end user.

Our mission is to design and manufacture corrugated panels that redefine your perception of quality. These are designed to upgrade any exterior, structure, surface, installation and more importantly, your value.

Today, Magnus Composites is a preferred export partner to companies around the world.

## ■ Corrugated Panels

**Corrugated FRP panels** have a profile. Magnus Composites can customize the profile to your needs.



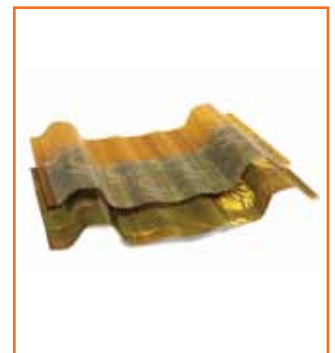
Translucent



Opaque



Transparent



Decorative

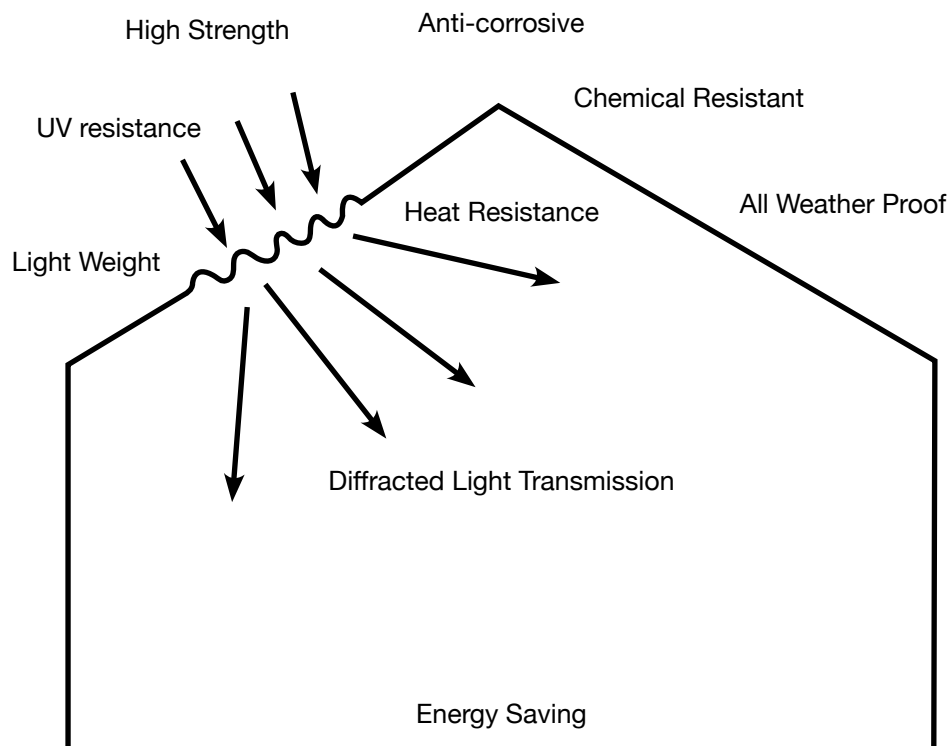
**Note:** Colors can be customized as per customers needs

Corrugated panels come with translucent and opaque finishes which make them perfect for indoor areas that require natural light. Depending on the amount of light you require, these can be combined with opaque or metal sheets in alternation, to control the amount of light transmitted indoors. This makes it an ideal replacement for conventional asbestos, cement or metal sheets.

# Specifications

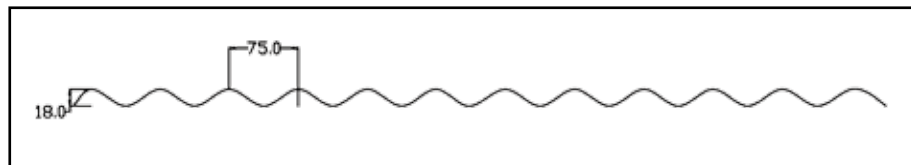
Panel	Finish	Type	Colours	Std Size	Std Thickness	Packaging per Pallet
Corrugated	Smooth & Pebbled	<b>Primary:</b> Translucent  <b>Option:</b> Opaque	Plain Green White	1m x 3m	1mm, 2mm, 3mm, 4mm	100 & 150

MECHANICAL PROPERTIES			
TYPICAL VALUES			
PROPERTIES	C10EU - 3.0 mm		TEST METHODS
Tensile Strength	20.5 x 10 <sup>3</sup> psi	141 MPA	ASTM - D638
Tensile Modulus	8.2 x 10 <sup>5</sup> psi	5654 MPA	ASTM - D638
Flexural strength	22 x 10 <sup>3</sup> psi	151 MPA	ASTM - D790
Flexural Modulus	8.2 x 10 <sup>5</sup> psi	1227 MPA	ASTM - D790
Barcol Hardness	45	45	ASTM - D2583
Izod Impact	12.0 ft-lb/in notched	0.64 J/mm	ASTM - D256
Coefficient of linear Thermal Expansion	1.6 x 10 <sup>-5</sup> in/in/°F	3.0 x 10 <sup>-5</sup> m/m/°C	ASTM - D696

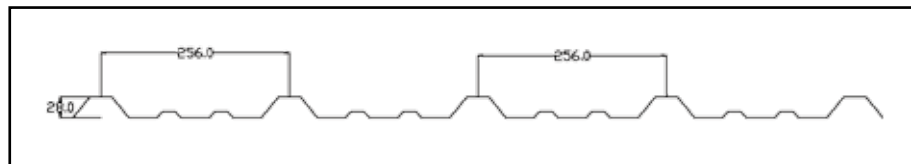


## ■ Standard Corrugated Profiles

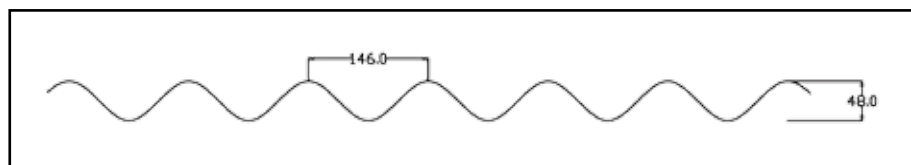
### Magnus C6



### Magnus C4



### Magnus C7



#### Standard Dimension

**Thickness** 1mm, 2 mm, 3 mm

**Width** 1000 mm

**Length** 3000 mm

These are the standard profiles and standard dimensions available at Magnus. We can customize the profile and dimensions as per customers requirement.



## ■ Applications of Corrugated Panels

Corrugated panels find popular usage in roofing for terraces, warehousing, factory buildings, PEB and semi-PEB structures, garages, balconies, patios, green houses and cooling towers.

Magnus Composites also manufactures Decorative Corrugated panels i.e., panels with creative surface designs which can be customized to your requirements for more designer appeal.





## How can we help you grow?

We invite queries regarding our FRP wall panels and offer expert advice and customization to your requirements and applications. Let our 30 years of experience in composites work to help you work better.

Let us know how we can help grow your business and increase your value.

**Please contact us on:**

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