



Straight ribbed sheet **R616** produced with polyester resin reinforced with fibreglass, in conformity to the following characteristics and technical norms:

<i>Reinforcement:</i>	Fibreglass												
<i>% fibreglass</i>	≥ 25% (internal method)												
<i>Weight:</i>	From 1,000 up to 2,450 kg/m ² (tolerance ± 5%)												
<i>Density:</i>	1,4 g/cm ³ (internal method)												
<i>Colour:</i>	Clear (other colors on request)												
<i>Superficial protection:</i>	Film anti UV optional												
<i>Exercise temperature</i>	-40 °C ÷ +120 °C												
<i>Self-ignition temperature:</i>	ab. 400 °C												
<i>Reaction to fire:</i>	The standard GRP (Glassfibre Reinforced Polyester) laminates are not inflammable. If exposed to a flame they burn, they do not drip. Euroclass F (EN 13501-1)												
<i>Thermal conductivity (λ):</i>	0,22 W/mK (internal method)												
<i>Heat transmission (U):</i>	220 W/m ² K (1 mm thickness)												
<i>Hardness Barcol:</i>	55 ÷ 60 (UNI EN 59)												
<i>Thermal linear expansion:</i>	3 x 10 ⁻⁵ °C ⁻¹ (UNI EN 1013)												
<i>Tensile modulus:</i>	5,5 ÷ 6,5 GPa (UNI EN ISO 527 ⁴)												
<i>Water vapor permeability:</i>	1,5 x 10 ⁻⁵ mg (m h Pa) (UNI EN 1013)												
<i>Water absorption:</i>	<1% (internal method)												
<i>Overload evenly distributed:</i>	See loading chart												
<i>Resistance to chemical agents:</i>	GRP laminates are not altered by the action of the following acids in the listed solutions depending on their concentration and on a testing temperature ranging from 30° to 50° C. <table data-bbox="566 1657 1332 1758"> <tr> <td>Acetic acid</td> <td>⇒ 5%</td> <td>Sulphuric acid</td> <td>⇒ 30%</td> </tr> <tr> <td>Chlorohydric acid</td> <td>⇒ 10%</td> <td>Ethyl alcohol</td> <td>⇒ 95%</td> </tr> <tr> <td>Nitric acid</td> <td>⇒ 10%</td> <td>Benzol</td> <td>⇒ 30%</td> </tr> </table>	Acetic acid	⇒ 5%	Sulphuric acid	⇒ 30%	Chlorohydric acid	⇒ 10%	Ethyl alcohol	⇒ 95%	Nitric acid	⇒ 10%	Benzol	⇒ 30%
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Product marked CE in accordance with EU regulation 305/2011, harmonized standard EN 1013. System of assessment and verification of constancy of performance: 4

The choice of building material must fulfill the requirements of the laws in force. The GRP roofing laminates are **not walkable**. The installation and maintenance must be done respecting the safety rules.

The information contained in this technical data sheet is based on present information and experiences and is correct and precise, as far as we know. The information has no meaning of quality guarantee as the employment conditions are not under our direct control.