



Straight corrugated sheet **R633NN** produced with polyester resin reinforced with fibreglass, in conformity to the following characteristics and technical norms:

<i>Reinforcement:</i>	Fibreglass																
<i>% fibreglass</i>	≥ 25%																
<i>Weight / thickness:</i>	1,050; 1,350; 1,850; 2,500 kg/m ² (tolerance ± 5%)																
<i>Colour:</i>	Clear (other colors on request)																
<i>Superficial protection:</i>	n.a.																
<i>Density:</i>	1,4 g/cm ³																
<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, but, if exposed to a flame they burn, they do not drip.																
<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 527-4/2/2)																
<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="558 1545 1404 1702"> <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> <tr> <td>Ammonia</td> <td>⇒ 30%</td> <td>Ammonio chloride</td> <td>⇒ 50%</td> </tr> </table>	Acetic acid	⇒ 5%	Sulphuric acid	⇒ 30%	Chlorohydric acid	⇒ 10%	Ethyl alcohol	⇒ 95%	Nitric acid	⇒ 10%	Benzol	⇒ 30%	Ammonia	⇒ 30%	Ammonio chloride	⇒ 50%
Acetic acid	⇒ 5%	Sulphuric acid	⇒ 30%														
Chlorohydric acid	⇒ 10%	Ethyl alcohol	⇒ 95%														
Nitric acid	⇒ 10%	Benzol	⇒ 30%														
Ammonia	⇒ 30%	Ammonio chloride	⇒ 50%														

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.