



Opaque **ELYONDA** straight and ribbed sheet is the registered trademark made of fibreglass reinforced polyester and loaded with aluminium oxide mineral. The laminates produced in the profiles **R146**, **R153**, **R177** and **R627** are protected on the external surface with isophthalic gel-coat (which gives high abrasion resistance at the laminates) and are suitable to meet any requirement for roof covering (particularly industrial and agricultural) and vertical closing.

ELYONDA is produced in conformity to the following characteristics and technical norms:

<i>Reinforcement:</i>	Fibreglass																
<i>% fibreglass</i>	≥ 20%																
<i>Charge:</i>	Alluminium oxide mineral																
<i>Weight:</i>	3,200 kg/m ² ; 3,500 kg/m ² (tolerance ± 5%) On request: 4,200 kg/m ²																
<i>Superficial protection:</i>	Isophthalic gel-coat, U.V. stabilised																
<i>Colours:</i>	Light Grey, Brick Red, Green. On request: Charcoal Grey, Coral Red, Blue																
<i>Exercise temperature:</i>	-60 °C ÷ +140 °C																
<i>Self-ignition temperature:</i>	ca. 400 °C																
<i>Reaction to fire:</i>	Italian Class 1 (D.M. 26/06/1984 and D.M. 03/09/01) (Type-approval doc. n° MI380A60D100007 16/06/03 - exp.2018)																
<i>Thermal conductivity (λ):</i>	0,22 W/mK (ASTM C177)																
<i>Heat transmission (U):</i>	220 W/m ² K (thickness 1 mm)																
<i>Thermal linear expansion:</i>	2 - 2,5 x 10 ⁻⁵ cm/cm °C																
<i>Light transmission:</i>	100% opaque																
<i>Water absorption:</i>	0,2% after 48 hr of dipping																
<i>Resistance to chemical agents:</i>	Corrugated laminates are not altered by 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="574 1702 1436 1836"> <tr> <td>Acetic acid</td> <td>⇒ 10%</td> <td>Sulphuric acid</td> <td>⇒ 30%</td> </tr> <tr> <td>Chlorohydric acid</td> <td>⇒ 35%</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 conc.</td> <td>⇒ 30%</td> <td>Ammonium chloride</td> <td>⇒ 50%</td> </tr> </table>	Acetic acid	⇒ 10%	Sulphuric acid	⇒ 30%	Chlorohydric acid	⇒ 35%	Ethyl alcohol	⇒ 95%	Nitric acid	⇒ 10%	Benzol	⇒ 30%	Ammonia conc.	⇒ 30%	Ammonium chloride	⇒ 50%
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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.

Rev.: 2

02/14

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Brianza Plastica S.p.A.

A Company with a Quality Management System UNI EN ISO 9001:2008 certified (certif. N° 106 SQP-IIP)

Via Rivera, 50, 20841 Carate Brianza (MB) • Tel. 0362.91601 • Fax 0362. 990457

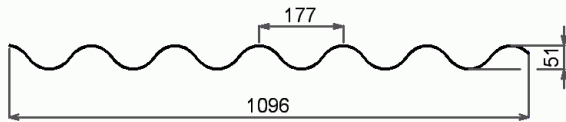
<http://www.brianzaplastica.it> • e-mail: info@brianzaplastica.it

Co. Cap. Euro 3,000,000 fully paid-up • MB Company Registration N° 3960
REA/MB Registration N° 602163 • Tax N° 00865040158 • VAT N° IT00698250966

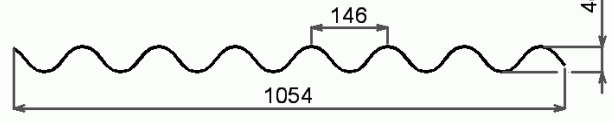
ELYONDA®

PROFILES

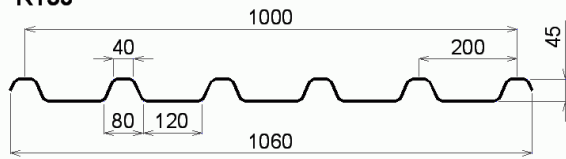
R177/1096



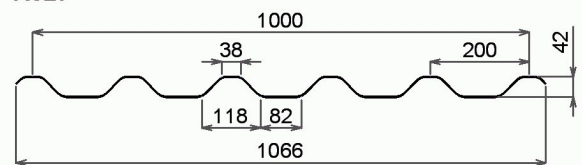
R146/1054



R153



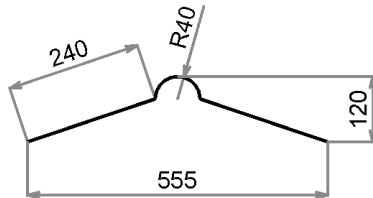
R627



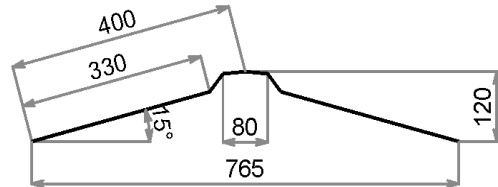
ELYONDA®

RIDGES

R104



R107



ELYONDA®

COLOURS



Brick Red



Green



Light Grey



*Coral Red



*Blue



*Charcoal Grey

*On request. Coral Red only for R627

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