

ONDUPLAST® COLOUR



**COMMERCIAL
BROCHURE**



Industrial
buildings



Farm
buildings



Onduline®
Lightweight roofing systems

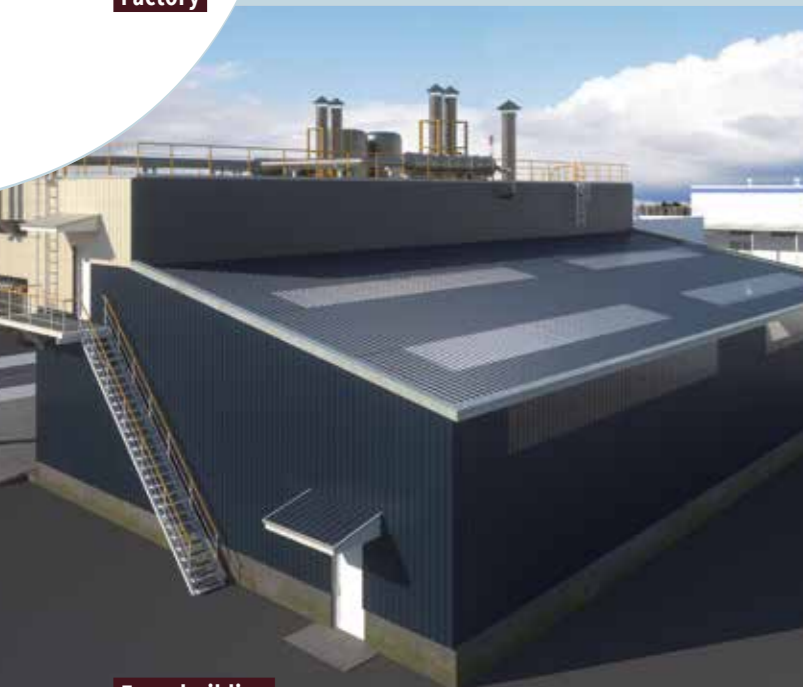
ONDUPLAST® COLOUR

A tough easy-to-lay solution, ONDUPLAST® COLOUR will protect a wide range of buildings:

TYPICAL APPLICATIONS

- Industrial facility buildings, typically sugar refineries, dairy buildings, breweries, production plants... Farm and agricultural buildings. • Commercial and leisure buildings Multipurpose opaque roofing and cladding solutions.

Factory



Farm building



Parking lots



MARKET LEADING SOLUTIONS FROM ONDULINE

Your satisfaction comes first!

- **Global presence in over 130 countries across all 5 continents to reach out to our customers and better capture their needs!** A broad product range, industry expertise and market insight to select the best-fit system, from lightweight roofing solutions to exclusively-designed cutting-edge solutions.
- **Outstanding expertise in plastic-based coverings and daylighting systems** (production and marketing since 80 years) to offer you modular technical solutions that seamlessly fit your needs.
- **Start-to-finish support throughout your projects:** technical service, tailored deliveries, and a comprehensive product range.

BENEFITS OF THE SOLUTION



Fiberglass reinforced polyester

ONDUPLAST COLOUR corrugated sheeting is made of fiberglass reinforced polyester and is protected on the external surface with isophthalic resin and a special polyester film, which gives high abrasion resistance and increased durability.

ONDUPLAST COLOUR is suitable to meet any requirement for roof coverings from industrial buildings to agricultural for roofing and cladding.

ONDUPLAST® COLOUR is simple to lay, simple to install, lightweight and very durable.

Impact and hail-resistant

The combination of polyester resin and fiberglass gives ONDUPLAST® COLOUR a high mechanical strength to withstand impacts and hail.

High chemical resistance

ONDUPLAST® COLOUR corrugated laminates are not altered by the acids listed in the technical table and depends on their concentration and on testing temperature ranging from 30° to 50° C.

Effortless cost-efficient installation

ONDUPLAST® COLOUR is a flexible system that seamlessly adapts to all kinds of architectural styles. The product is fast and easy to install and no specialist tooling is required. Due to its light weight, ONDUPLAST® COLOUR optimises your transport costs.

Agricultural Buildings



A lightweight solution highly resistant to naturally corrosive environments!

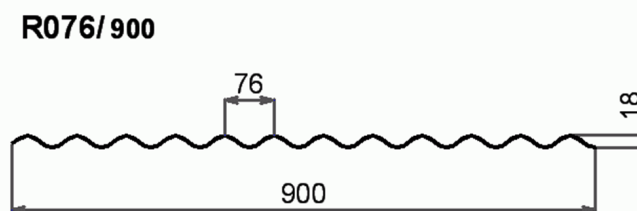
TECHNICAL SPECIFICATIONS

ONDULAST® COLOUR													
Reinforcement: % fibreglass	Fiberglass ≥ 25% (internal method)												
Thickness:	0,70 mm (UNI EN 1013)												
Density:	1,4 g/cm ³ (internal method)												
Colours:	Light Grey, Brick Red, Other colours available on request												
Superficial protection:	External surface protected with a special isophthalic resin (Gelcoat), bonded to the GRP surface during hot lamination – particularly stable against atmospheric agents and shock resistance retains its structural and functional integrity over time avoiding superficial abrasion/erosion.												
Exercise temperature:	-40 °C ÷ +120 °C (internal method)												
Self-ignition temperature:	ab. 400 °C (internal method)												
Reaction to fire:	The standard GRP (Glassfibre Reinforced Polyester) laminates are not inflammable, but, if exposed to a flame they burn but not drip. Euroclasse F, no dripping (EN 13501-1)												
Thermal conductivity (λ):	0,22 W/mK (ASTM C177)												
Heat transmission (U):	220 W/m ² K (1 mm thickness)												
Thermal linear expansion:	3 x 10 ⁻⁵ °C ⁻¹ (UNI EN 1013)												
Hardness Barcol:	55 ÷ 60 (UNI EN 59)												
Light transmission:	0% totally opaque sheet												
Tensile strength:	5,5 ÷ 6,5 GPa (UNI EN ISO 527-4/2/2)												
Water absorption:	< 1%												
Resistance to chemical agents:	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 border="0"> <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> </table>	Acetic acid	⇒ 10%	Sulphuric acid	⇒ 30%	Chlorohydric acid	⇒ 35%	Ethyl alcohol	⇒ 95%	Nitric acid	⇒ 10%	Benzol	⇒ 30%
Acetic acid	⇒ 10%	Sulphuric acid	⇒ 30%										
Chlorohydric acid	⇒ 35%	Ethyl alcohol	⇒ 95%										
Nitric acid	⇒ 10%	Benzol	⇒ 30%										

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.

TYPICAL PROFILE

Consult us for other profiles.



Onduline Building Products Ltd
Dawson House | 5 Jewry Street
London | EC3N 2EX
onduline.co.uk

Onduline is a French limited liability company with a board of directors and a share capital of €11,323,485.05
RCS Nanterre 552 088 361



Onduline®
Lightweight roofing systems