

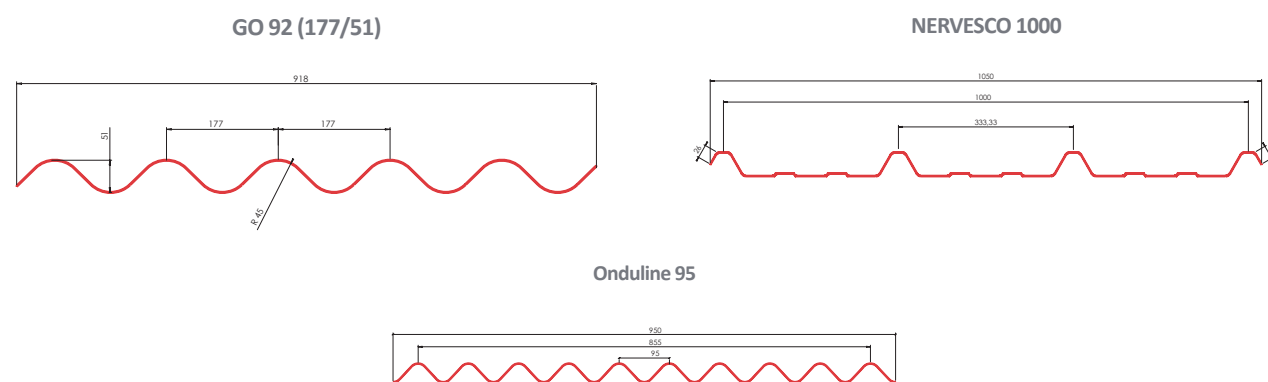
TECHNICAL SPECIFICATIONS

ONDUCLAIR® PLR	
Description	Single-skin daylighting system in glass fibre reinforced polyester (thermosetting resin)
Usage	Daylighting for roof coverings and claddings
Profiles	GO 92 (177/51), Onduline 95, Nervesco 1000 (other profiles available on request)
Length	From 1.50 to 12 m (other lengths available on request)
Cover width	GO 92 (177/51): 873 mm Onduline 95: 855 mm Nervesco 1000: 1000 mm
Thickness	DIY: 0.7 mm, Cladding: 0.9 mm, Cladding and roof covering: 1.2 mm and 1.6 mm
Finish	Double sided <i>Gelcoat</i> and UV protection
Colours	Natural, translucent yellow, sky blue (2 versions), translucent green (2 versions) and opal (other translucent colours upon request)
Fire rating	Euroclass E non-dripping
Light transmission	Natural: 85% (L1)
Impact resistance	Resistance to soft impact – 1200 Joules*
Service temperature	-30°C to +120°C under continuous exposure
Guarantee	10 years
Standards and ATs	EN 1013

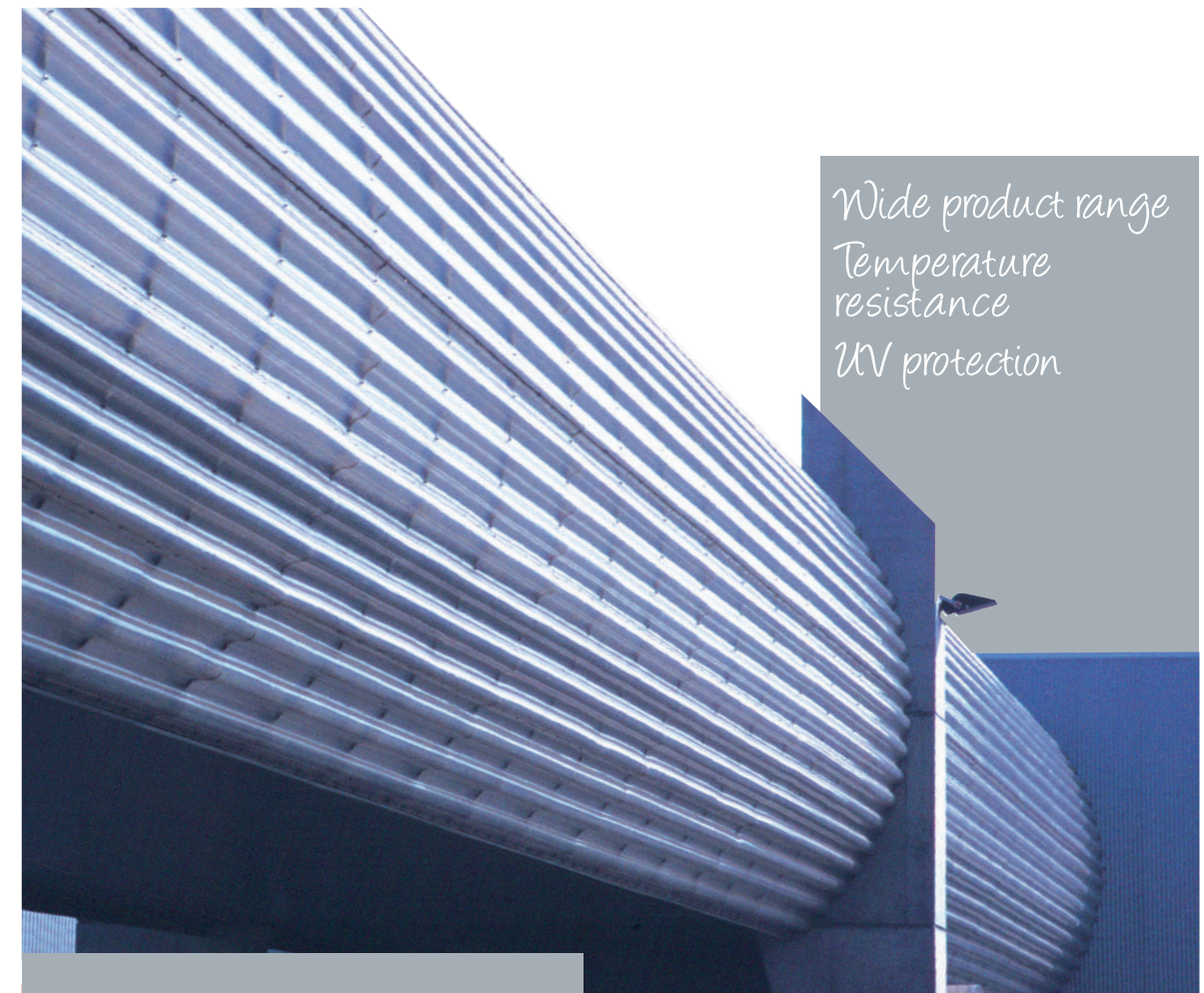
*Call us for details.

TYPICAL PROFILES

Call us for details on other profiles.



ONDUCLAIR® PLR



Wide product range
Temperature
resistance
UV protection

Onduline®

www.onduline.com



FARM
BUILDINGS



INDUSTRIAL
FACILITY BUILDINGS

Onduline® Onduline S.A. - 35, rue Baudin - 92300 Levallois-Perret, FRANCE
Onduline French limited liability company with managing board and supervisory board, share capital of €11,323,485.05 - R.C.S. Nanterre 552 088 361

TYPICAL APPLICATIONS

ONDUCLAIR® PLR is a skylighting and daylighting material solution for **roof coverings and claddings on all types of buildings:**

- residential buildings, amenity facilities;
- tertiary-sector facilities;
- industrial facility buildings, typically sugar refineries, dairy buildings, breweries...;
- farming buildings (pig barns, cattle farms, fish farms, slurry pits, settling ponds...).



Cultural shows and exhibition centre

ONDULINE, INDUSTRY INSIGHT PUT TO WORK FOR YOU

Your satisfaction comes first!

- Global presence with agencies in over 100 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 build systems.
- Outstanding expertise in plastics-based covering and daylighting systems (production and marketing since 60 years) to offer you modular technical solutions that seamlessly fit your needs.
- Start-to-finish support throughout your projects: technical service, custom-tailored deliveries, and more.



Production facility



Cattle farm



Storage warehouse

ONDUCLAIR® PLR, brings soft and subdued lighting

BENEFITS OF THE SOLUTION



IMPACT RESISTANT



LIGHTWEIGHT



EASY

ONDUCLAIR® PLR twins **two benefits in one: transparency and double sided UV protection**. This solution comes in a broad range of profiles and translucent colours.

■ SUBDUES NATURAL DAYLIGHT

ONDUCLAIR® PLR delivers an ambient light that is soft, diffused and subdued (85% light transmission for natural colour), thereby minimizing the risks of occupant glare and dazzle, and shadows cast from the roof frame under heavy sunlight.

■ IMPACT AND HAIL-RESISTANT

ONDUCLAIR® PLR is engineered with a special blend of polyester resin and glass fibre to deliver the high mechanical strength needed to withstand impacts and hail. Our polyester sheets are composed of a glass fibre reinforced resin, gelcoated on both faces. This composition confers outstanding mechanical properties and stiffness, while protecting the sheet against degradation.

■ TAILORS TO YOUR PROJECT CONFIGURATION

ONDUCLAIR® PLR is available in a wide range of ribbed and corrugated profiles, many translucent colors and 4 thicknesses. The translucent coloured versions are through-dyed (pigments are injected in the core of the resin) to ensure great resistance over the time. Some ONDUCLAIR® PLR profiles are approved to 1200 Joules (in 1.6mm thick version).

■ RESISTANT TO NATURAL CORROSION

ONDUCLAIR® PLR demonstrates outstanding resistance to natural corrosion, making it a recommended solution for farm infrastructures (pigsties, fish farms, slurry pits, settling ponds...) and industrial facilities (cooling towers, sugar refineries, dairy buildings, breweries...).

■ LONG-TERM SUSTAINED PROTECTION FOR PEOPLE AND PROPERTY

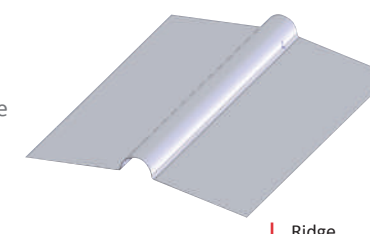
ONDUCLAIR® PLR can be employed in many geographic zones worldwide thanks to its outstanding resistance to temperatures ranging from +120°C down to -30°C. Furthermore, ONDUCLAIR® PLR comes with a 10-year guarantee and is rated Euroclass E non-dripping.

■ OPTIMIZES INSTALLATION COSTS

ONDUCLAIR® PLR is a lightweight, manageable, easy-to-lay solution that can be installed on light framing, without overlap (maximum sheet length up to 12 m). The fast installation, with standard tools, so as the lightness of the material also optimizes your implementation and transport costs.

ROOFING ACCESSORIES AVAILABLE

- Fasteners (wood and metal screws, profile supports, saddle supports, side lap stitching screws...)
- Translucent ridges



Ridge