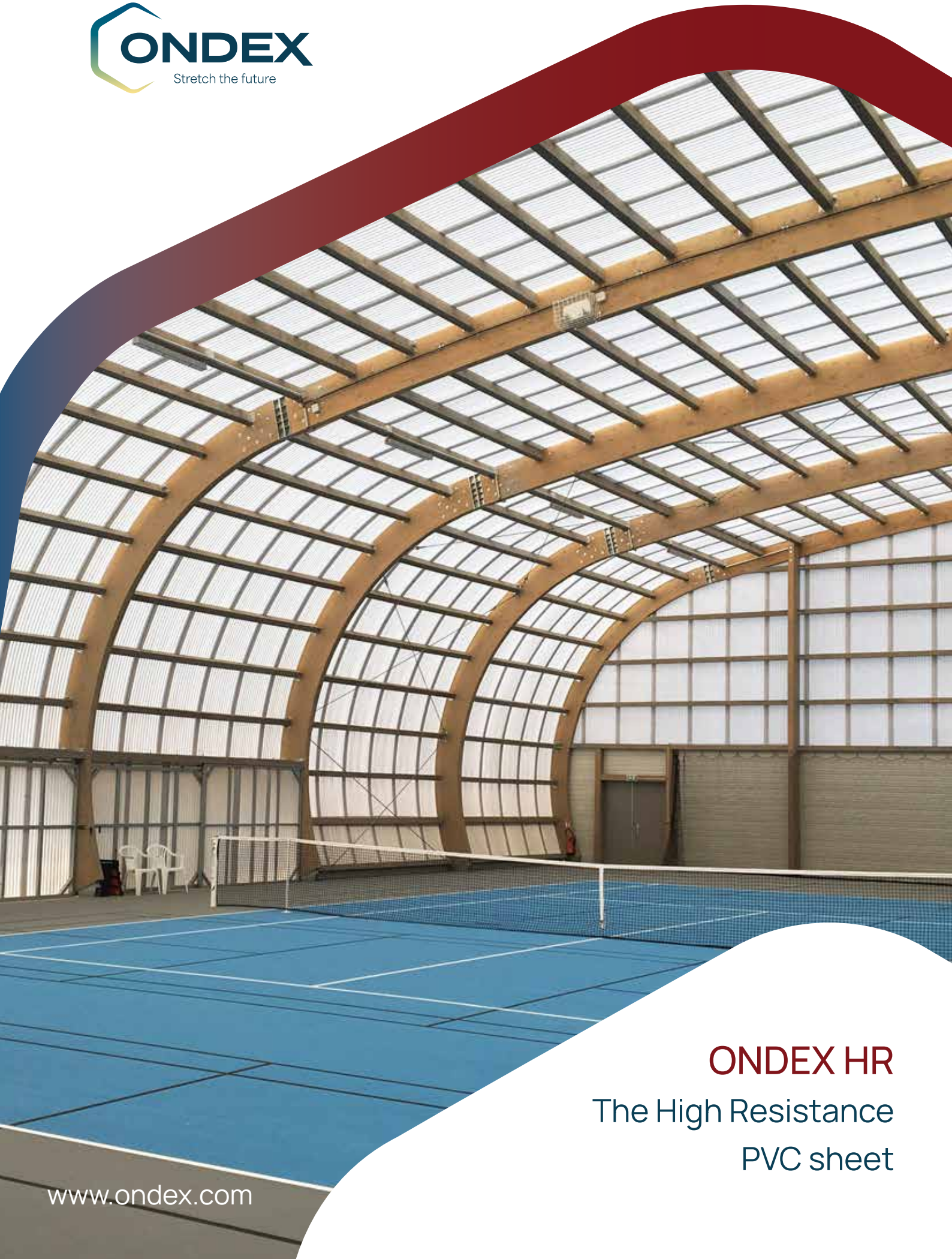
ONDEX
Stretch the future



ONDEX HR

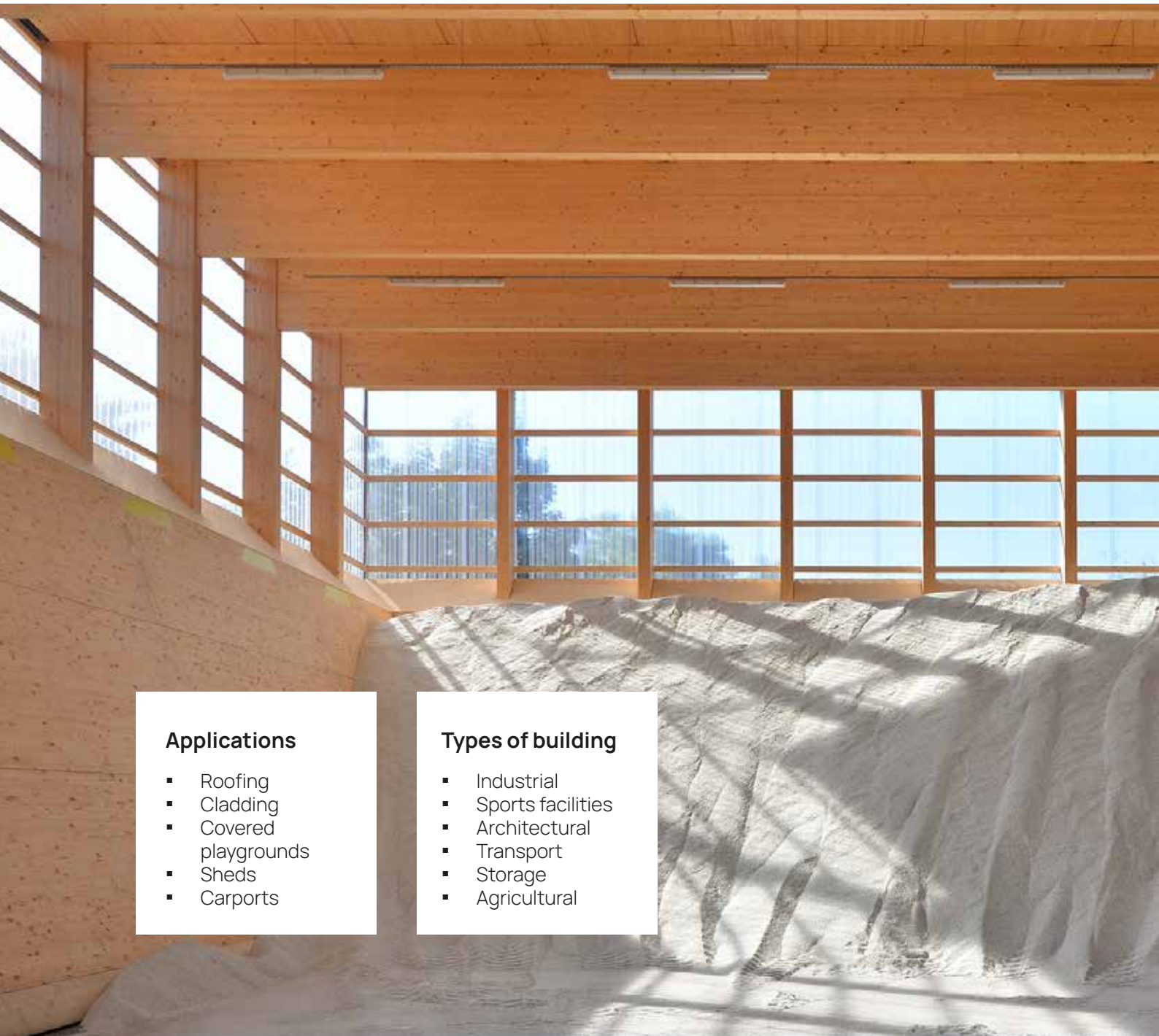
The High Resistance PVC sheet

www.ondex.com

2

ONDEX HIGH RESISTANCE

ONDEX High Resistance sheets are designed for roofing and cladding applications. The manufacturing process, known as bi-stretching, is unique in the PVC sheet industry and produces exceptional strength.



Applications

- Roofing
- Cladding
- Covered playgrounds
- Sheds
- Carports

Types of building

- Industrial
- Sports facilities
- Architectural
- Transport
- Storage
- Agricultural

FOR ROOFING AS WELL AS CLADDING









ONDEX HR, expertise at the service of the most ambitious projects

WHAT **BENEFITS?**

HIGH RESISTANCE

- **Strength**: impact resistance of 1200 J, mechanical strength, resistance to hail and sports ball impacts
- **Weather resistance**: hail (RG5), snow, frost, wind
- **UV resistance**
- **Resistance to mechanical and solar ageing** (combined bi-stretching and coextrusion)
- **Resistance to chemicals** and corrosive, maritime environments

PRODUCT FEATURES

- **Durability and eco-design**
- **Fire rating:** B s1 d0
- **Adapted light**
- **Thermal inertia** (0.17W/m.k)
- **Cold bendability**
- **Total roofing possible**
- **Technical certifications** (DTA CSTB, 1200 J, Zulassung DIBt, Q4 façade classification, ETN (SOLAR range)

A photovoltaic project?
Discover our **SOLAR** range!



BI-STRETCHING
What is it?

ONDEX sheets are produced by a classic extrusion process.

But the originality and exclusivity of this manufacturing process lies in its bi-stretching, which consists of stretching the sheets in both directions – in length and width. This creates a mesh in the molecular structure as the threads and weft in fabric.

This completely mechanical process is perfectly stable over time and does not require the use of chemical additives which would be likely to speed up ageing of the sheets.

This molecular reorganization gives **ONDEX** sheets their incomparable strength.

OUR COLOUR SHADES

6 colours available*

Neutral crystal

Direct light
(85%)

Translucent DIFFU100



Indirect light
(55%)

Diffusing ivory



Indirect light
(24%)

MADE IN FRANCE

White opaque



Grey opaque



Metallic grey*



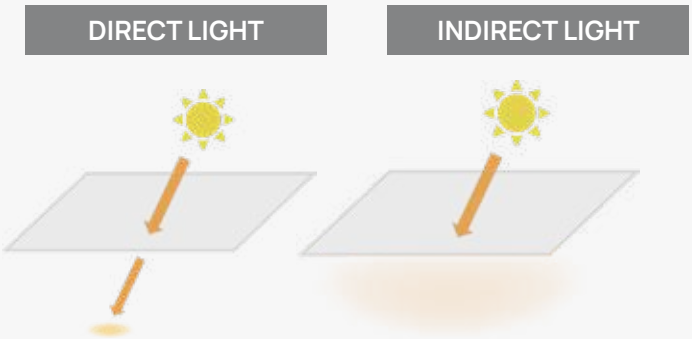
*Some colour shades are developed for specific projects, are not stocked, are subject to minimum quantities and may be subject to geographical restrictions.

Colours shown are not contractually binding. The colours shown are available in certain ranges and for certain profiles. For any requests or development of other colours, please consult us beforehand.

Light diffusion

Thanks to its formulation, **DIFFU100** provides uniform and total light diffusion.

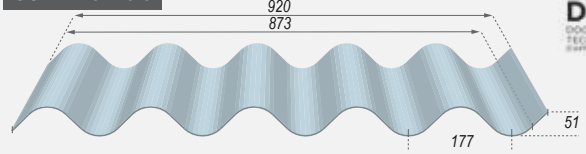
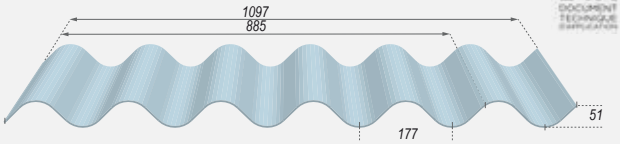
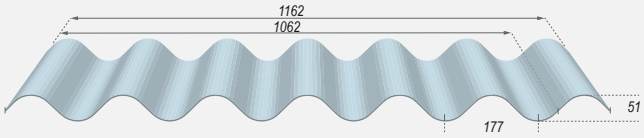
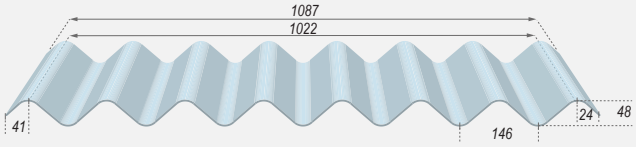
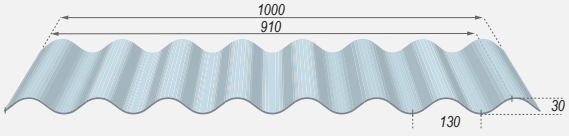
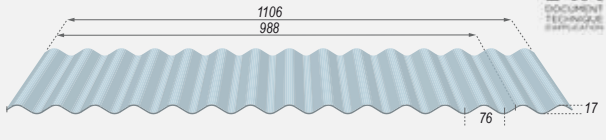
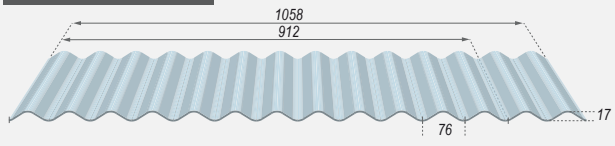
- No shadow cast on the ground
- No hot spot
- Thermal comfort (THI)





Profiles

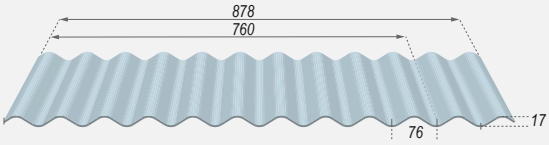
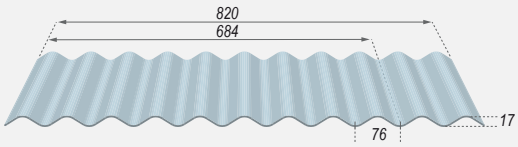
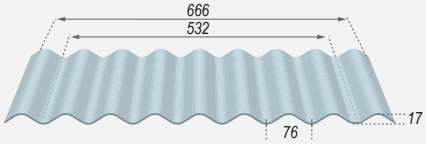
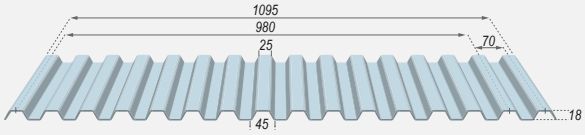
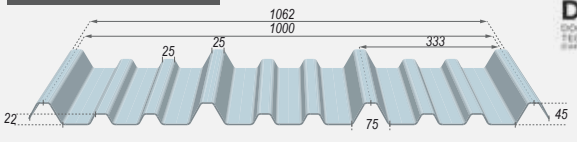
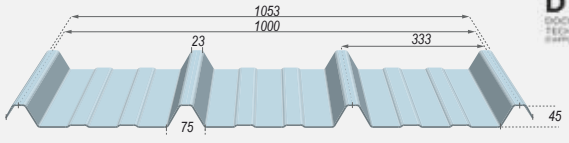
A wide range*

	Max. gap between centre line in purlin	Area of sheet for 1 m² of roofing/ cladding	Minimum slope	Average number of main fastenings per m²
GO 177 x 51 / 5.5 	1.385 m	1.06 m²	9%	2.8
GO 177 x 51 / 6.5 	1.385 m	1/2 wave overlap - **1.06 m²** 1.5 wave overlap - **1.25 m²**	9%	3.1 2.8
GO 177 x 51 - 7 	1.385 m	1.11 m²	9%	2.3
146 x 48 - Big 6 	1.38 m	1.07 m²	9%	3.2
130 x 30 	1.2 m	1.10 m²	15%	4.1
TO 76 x 18 - 15 waves 	1.1 m	1.13 m²	15%	5.1
TO 76 x 18 - 14 waves 	1.1 m	1.17 m²	15%	5.5

**Contact us for other profiles.*
Certain profiles are subject to minimum order quantities. Please contact us for further information.

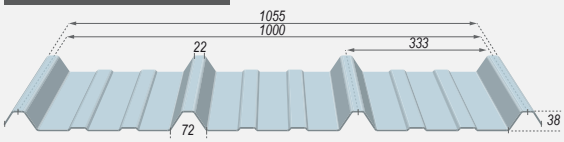
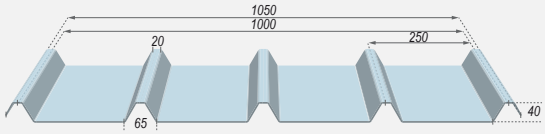
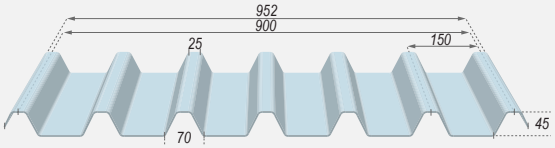
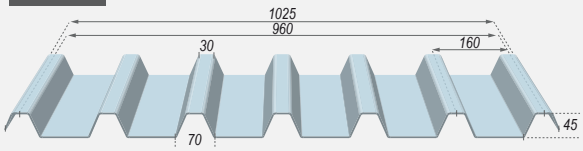
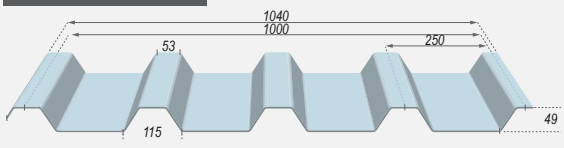
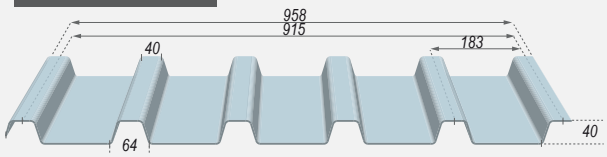
Profiles

A wide range*

	Max. gap between centre line in purlin	Area of sheet for 1 m² of roofing/ cladding	Minimum slope	Average number of main fastenings per m²
TO 76 x 18 - 12 waves 	1.1 m	1.17 m²	15%	5.3
TO 76 x 18 - 11 waves 	1.1 m	1.21 m²	15%	5.9
TO 76 x 18 - 9 waves 	1.1 m	1.26 m²	15%	7.6
GRECA 70 x 18 - 16 waves 	1.1 m	1.13 m²	15%	Roofing: **3.1** Cladding: **4.2**
3 x 333 x 45 - Euro 92 	1.5 m	1.07 m²	10%	Roofing: **2.4** Cladding: **3.2**
3 x 333 x 45 - Nervesco 	1.5 m	1.07 m²	10%	Roofing:**2.5** Cladding: **3.4**

Profiles

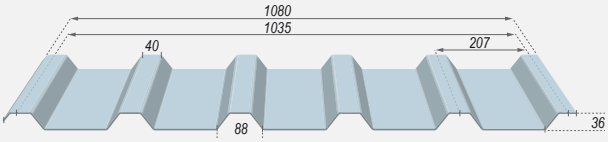
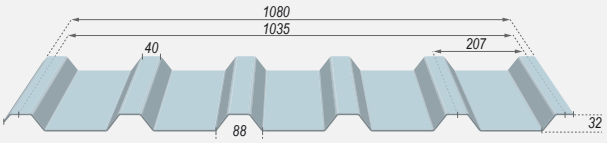
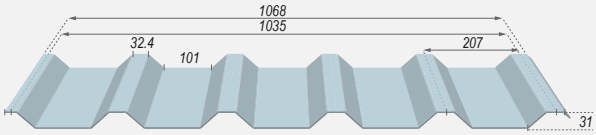
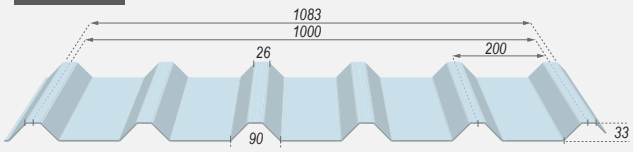
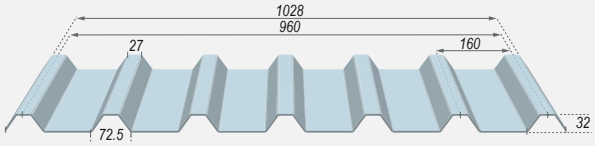
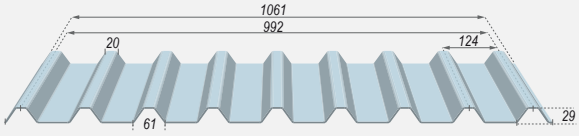
A wide range*

	Max. gap between centre line in purlin	Area of sheet for 1 m² of roofing/ cladding	Minimum slope	Average number of main fastenings per m²
3 x 333 x 39 - Haironville 	1.5 m	1.07 m²	10%	Roofing: **2.5** Cladding: **3.4**
4 x 250 x 40 - Cobacier 	1.5 m	1.06 m²	10%	Roofing: **3.1** Cladding: **3.8**
150 x 45 - Aluform 	1.5 m	1.07 m²	10%	Roofing: **2.6** Cladding: **3.4**
160 x 45 	1.5 m	1.08 m²	10%	Roofing: **2.4** Cladding: **3.2**
250 x 50 - Hoesch E50 	1.5 m	1.05 m²	10%	Roofing: **3.2** Cladding: **3.2**
183 x 40 - Hoesch E40 	1.5 m	1.06 m²	10 %	Roofing: **2.5** Cladding: **4.2**

**Contact us for other profiles.*
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Profiles

A wide range*

	Max. gap between centre line in purlin	Area of sheet for 1 m² of roofing/ cladding	Minimum slope	Average number of main fastenings per m²
207 x 35 - Fischer 2007 (36) 	1.5 m	1.05 m²	15%	Roofing: **2.2** Cladding: **3.7**
207 x 35 - Hoesch E35 (32) 	1.5 m	1.05 m²	15%	Roofing: **2.2** Cladding: **3.7**
207 x 35 - Arcelor A35/207 (31) 	1.5 m	1.04 m²	15%	Roofing: **2.2** Cladding: **3.7**
200 x 33 	1.5 m	1.09 m²	15%	Roofing: **2.3** Cladding: **3.8**
160 x 32 - R32 	1.5 m	1.08 m²	15%	Roofing: **2.4** Cladding: **3.2**
124 x 29 - Aluform 	1.2 m	1.07 m²	15 %	Roofing: **3.8** Cladding: **4.7**















PVC

Polyvinyl chloride

It has been produced industrially since the 1960s and is now the most widely used plastic material in the world in the construction industry.
It is a thermoplastic resin that easily accepts the shape you want to give it.
ONDEX uses the bi-stretching of PVC to manufacture its sheets.



PVC IS MADE FROM SALT (57%).



PHTALATE AND BISPHENOL A FREE



100% RECYCLED DURING MANUFACTURING

8 GOOD REASONS TO CHOOSE ONDEX



VERY HIGH SHOCK RESISTANCE

The **ONDEX** sheets are certified to withstand 1200 joules (a 50 kg bag dropped from a height of 2.4 m).



LIGHT TRANSMISSION

Light transmission adapted to the application thanks to a range of colours from crystal clear to opaque.



FIRE RATING B s1 d0

Self-extinguishing and retractable, the **ONDEX** sheets facilitate smoke evacuation. No fire spread or droplets.



SUSTAINABILITY AND ECO-DESIGN

As PVC is a recyclable and recycled material, **ONDEX** sheets are part of the Sustainable Development approach.



CHEMICAL RESISTANCE

Suitable for use in chemical and food processing plants. Resistant to urban pollution and salty air.



THERMAL INERTIA

With thermal inertia close to that of wood (0.17W/m.k), **ONDEX** sheets help to limit temperature increases in buildings.



RESISTANCE TO HAIL

Hail resistance performance tested by firing 38 g balls with a diameter of 40 mm at 200 km/h at a temperature of 0°C.



MADE IN FRANCE

Based in Chevigny-Saint-Sauveur near Dijon, France, **ONDEX** has been developing its expertise in flat and corrugated bi-stretched PVC sheets since 1965.

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ONDEX
Stretch the future

GB26 002
11/2025