



**ONDEX SOLLUX**

Solutions for  
all constructions

[www.ondex.com](http://www.ondex.com)

# ONDEX SOLLUX



The **ONDEX** SOLLUX range is especially suitable for uses in the agricultural environment.

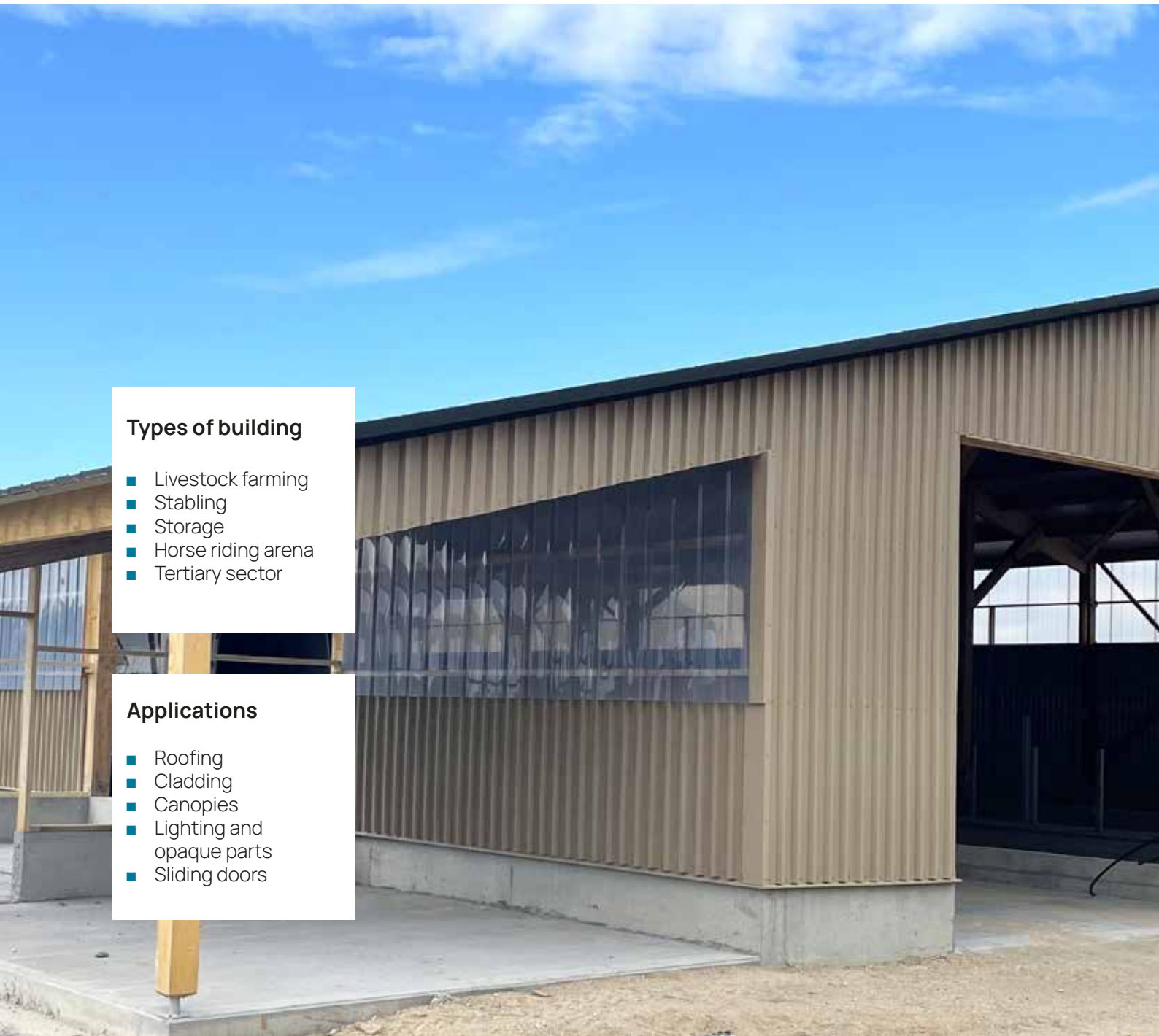
The manufacturing process used for **ONDEX** sheets, known as bi-stretching, is unique in the PVC sheet industry and ensures exceptional durability in terms of resistance and light transmission.

## Types of building

- Livestock farming
- Stabling
- Storage
- Horse riding arena
- Tertiary sector

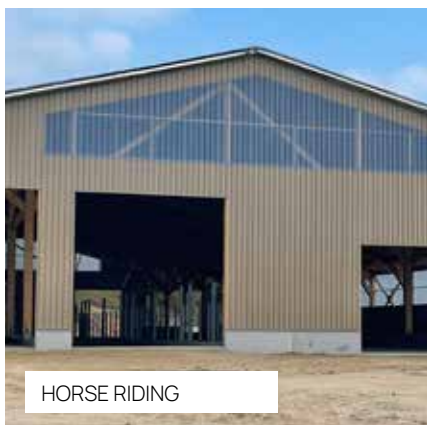
## Applications

- Roofing
- Cladding
- Canopies
- Lighting and opaque parts
- Sliding doors





## FOR ROOFING AS WELL AS CLADDING



HORSE RIDING



LIVESTOCK BUILDING



STORAGE



## WHAT BENEFITS?

### Sustainability, durability

- Preserved light transmission
- Limited fouling thanks to a smooth, homogeneous material
- Easy to clean
- Resistance to ageing

### Chemical resistance

- Corrosive environments
- In salty climates
- Chemical agents \*

\*Detailed list ref. FR26009 available on request on our website

### Product features

- Fire rating: B s1 d0
- Self-extinguishing, smoke extraction
- Thermal inertia (0.17W/m.k)
- Cold bendability on site
- Lightweight (approx. 1.5 kg/m<sup>2</sup>)
- Easy to cut on site



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%)

White opaque



Beige opaque



RAL1019 & RAL1015

Green opaque



RAL6021

Grey opaque



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

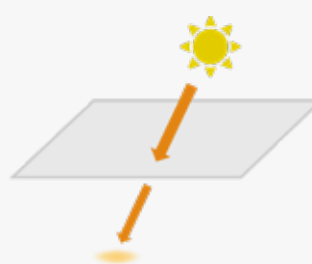
**Colours shown are not contractually binding.** The colours shown are available in certain ranges and for certain profiles. For any requests or development of other colours, please consult us beforehand.

## Light diffusion

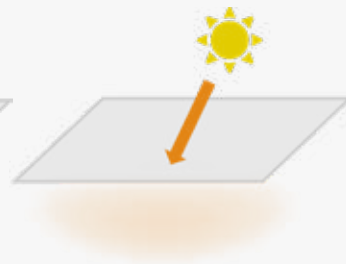
Thanks to its formulation, DIFFU100 provides uniform and total light diffusion.

- No shadow cast on the ground
- No hot spot
- Reduced animal stress
- Thermal comfort

DIRECT LIGHT



INDIRECT LIGHT



# Profiles

A wide range\*

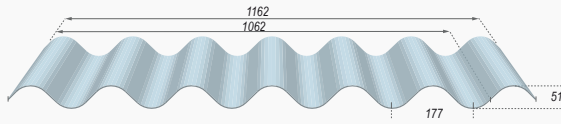
Max. gap  
between centre  
line in purlin

Area of sheet for  
1 m<sup>2</sup> of roofing/  
cladding

Minimum  
slope

Average  
number of main  
fastenings per m<sup>2</sup>

GO 177 x 51 - 7



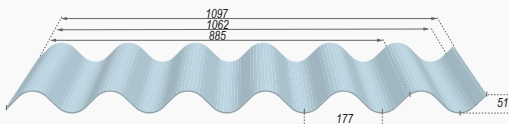
1.385 m

1.11 m<sup>2</sup>

9%

2.3

GO 177 x 51 / 6.5



1.385 m

1/2 wave  
overlap - 1.06 m<sup>2</sup>

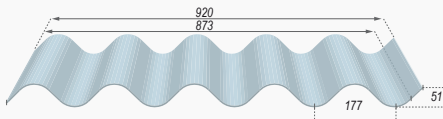
9%

3.1

1 1/2 wave  
overlap - 1.25 m<sup>2</sup>

2.8

GO 177 x 51 / 5.5



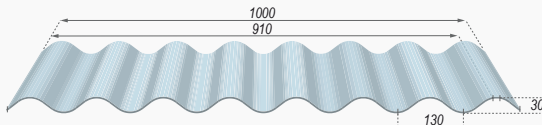
1.385 m

1.06 m<sup>2</sup>

9%

2.8

130 x 30



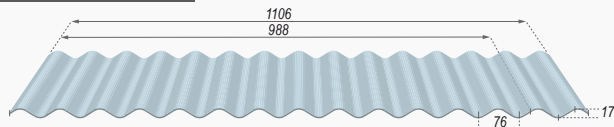
1.2 m

1.10 m<sup>2</sup>

15%

4.1

TO 76 x 18 - 15 waves



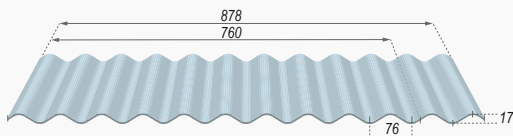
1.1 m

1.13 m<sup>2</sup>

15%

5.1

TO 76 x 18 - 12 waves



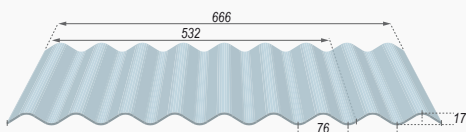
1.1 m

1.17 m<sup>2</sup>

15%

5.3

TO 76 x 18 - 9 waves

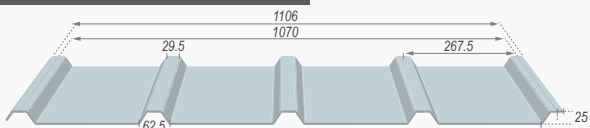


1.1 m

1.26 m<sup>2</sup>

15%

7.6



1.5 m

1.04 m<sup>2</sup>

-

2.9

\*Contact us for other profiles.

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



# Profiles

A wide range\*

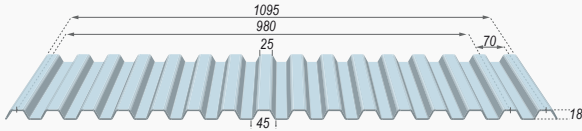
Max. gap  
between centre  
line in purlin

Area of sheet for  
1 m<sup>2</sup> of roofing/  
cladding

Minimum  
slope

Average  
number of main  
fastenings per m<sup>2</sup>

## GRECA 70 x 18



1.1 m

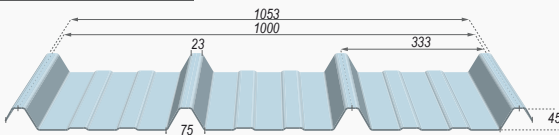
1.13 m<sup>2</sup>

15%

Roofing: 3.1

Cladding: 4.2

## 3 x 333 x 45 - Nervesco



1.5 m

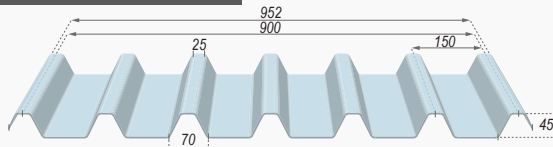
1.07 m<sup>2</sup>

10%

Roofing: 2.5

Cladding: 3.4

## 150 x 45 - Aluform & PERFO2



1.5 m

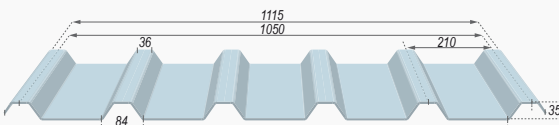
1.07 m<sup>2</sup>

10%

Roofing: 2.6

Cladding: 3.4

## 210 x 35



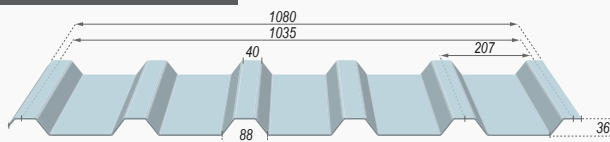
1.1 m

1.07 m<sup>2</sup>

15%

2.9

## 207 x 35 - Fischer 2007 (36)



1.5 m

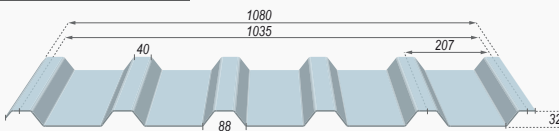
1.05 m<sup>2</sup>

15%

Roofing: 2.2

Cladding: 3.7

## 207 x 35 - Hoesch (32)



1.5 m

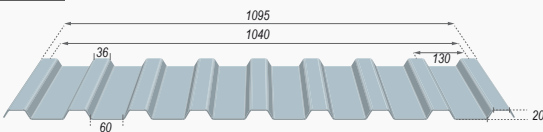
1.05 m<sup>2</sup>

15%

Roofing: 2.2

Cladding: 3.7

## 130 x 20



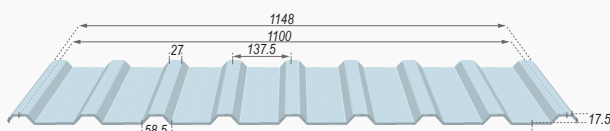
1.1 m

1.06 m<sup>2</sup>

15%

3.9

## 137.5 x 17.5



1.1 m

1.05 m<sup>2</sup>

15%

3.7

# PVC

## Polyvinyl chloride

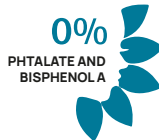
It has been produced industrially since the 1960s and is now the most widely used plastic material in the world in the construction industry.

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  
BISPENOLA FREE**



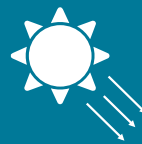
**100% RECYCLED DURING  
MANUFACTURING**

## 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.



### 100% RECYCLABLE

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.

#### ONDEX

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