

# Technical data sheet

T06038 - V01 - 10-2020

**ONDULINE®**  
**DURO SX 35**

## Material / Application

Lightweight bitumen sheet for roofing application on auxiliary buildings.

Bitumen sheet reinforced with cellulosic fibers and thermosetting resin. The composite is colored with inorganic pigments.

CE EN 534:2010 - Corrugated bitumen sheets - Category S.

DOP: 06-002 2016-12-12

## Technical characteristics

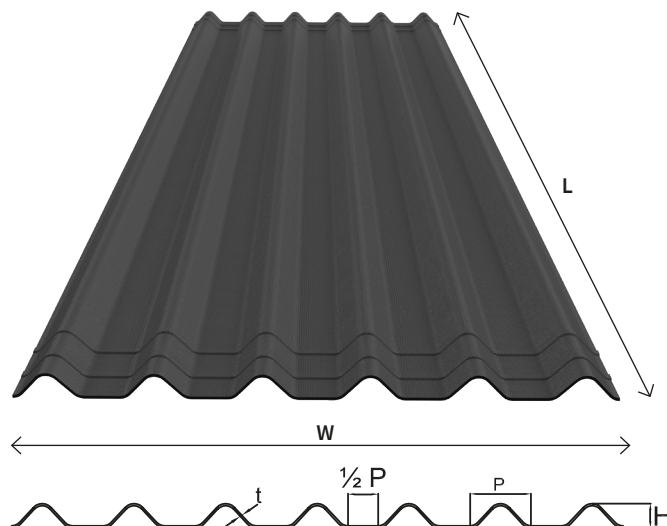
Length	L	200 cm
Width	w	82 cm
Thickness	t	3.5 mm
Height of corrugation	H	38 mm
Pitch of corrugation	P	96 mm
Product surface		1.64 m <sup>2</sup>
Product net surface		1.34 m <sup>2</sup>
Weight		6.0 kg
Weight / m <sup>2</sup>		3.66 kg/m <sup>2</sup>
Corrugations / Flat sections		6 / 5

### MECHANICAL & PHYSICAL PROPERTIES

Bending under downward load	> 700 N/m <sup>2</sup>
Impact strength	250 mm
Tearing strength	> 150 N
Water impermeability	Pass <sup>1</sup>
Proportion of bitumen	> 40%
Homogeneity	Pass <sup>2</sup>
Water absorption	< 20%

<sup>1</sup> No drop of water underneath sheet after 48 hours

<sup>2</sup> No area larger than 1 cm<sup>2</sup> without bitumen



### DURABILITY

Water impermeability after ageing	Pass <sup>1</sup>
Tearing strength after ageing	> 150 N
Thermal coefficient	< 100.10-6 1/K

### FIRE PERFORMANCE

Reaction to fire - EN 13501-1	E
External fire performance - EN 13501-5	Froof

### Color



### Installation

Special conditions for proper installation are required. Refer to the installation guide.

- Minimum Pitch = 5°
- Max Overhang = 3,5 cm
- Horizontal overlap = 15 cm
- Side overlap = 9,5 cm
- Minimum Roof structure:

Slope in °	Slope in %	Purlin spacing
> 15°	> 27 %	46 cm
10° < - < 15°	17% < - < 27 %	37 cm
5° < - < 10°	9% < - < 17%	Full Deck (OSB, Plywood...)

To maximize performance and in areas of heavy snow, installation on decking is recommended.

- 15 Onduline screws or nails per sheet (eq. 10 / m<sup>2</sup>)
- Make sure to fix every corrugation at eave and horizontal overlaps.

[onduline.com](http://onduline.com)

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