

Technical data sheet

T09034 - V02 - 01-2020

**ONDULINE
ZIGANA®**

Material / Application

Corrugated Bitumen Sheet for Roofing application.

Corrugated 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

Technical characteristics

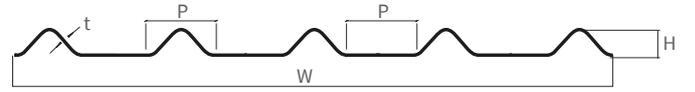
Length	L	200 cm
Width	w	89 cm
Thickness	t	3.5 mm
Height of corrugation	H	38 mm
Pitch of corrugation	P	98 mm
Product surface		1.78 m ²
Net surface		1.50 m ²
Weight of product		6.1 kg
Weight per product surface		3.40 kg/m ²
Corrugations + Flat		5 + 4

MECHANICAL & PHYSICAL PROPERTIES

Bending under downward load	> 700 N/m ²
Impact strength	250 mm
Tearing strength	> 150 N
Water impermeability	Pass ¹
Proportion of bitumen	> 40%
Homogeneity	Pass ²
Water absorption	< 20%
Water vapor permeability - EN ISO 12572	Not applicable

¹No drop of water underneath sheet after 48 hours

²No area larger than 1 cm² without bitumen



DURABILITY

Water impermeability after ageing	Pass ¹
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 of installation are required. Refer to the installation guide.

Minimum roof pitch: 15% (9°)

Vertical Overlap: 1 corrugation

Horizontal Overlap: 15 cm (The sheet has an embossed line on each side helping installation). ONDULINE ZIGANA® has embossed stamps on top end of the sheet showing the sheet orientation (top of the sheets closer from the ridge, bottom of the sheet closer from the eave).

Fixing: 16 fasteners / sheet – on top of corrugations. Every corrugation must be fixed at eave and overlaps.

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