Technical data sheet

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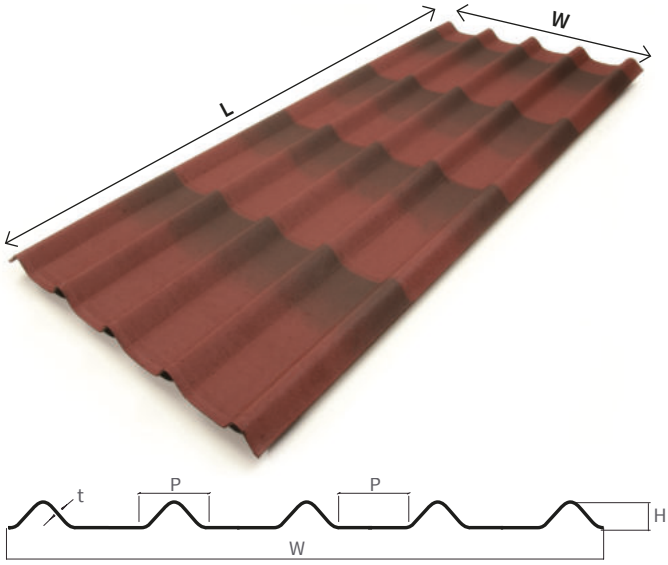
ONDULINE ZIGANA TILE®

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

[1] No drop of water underneath sheet after 48 hours
[2] No area larger than 1 cm^2 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

Dual Red

Dual Green

Other colors upon request:
Dual Brown & Dual Havana

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 TILE® 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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