

# Technical data sheet

T05024 - DRAFT - 02-2019

ONDUCASA



## Material / Application

Lightweight bitumen tile for roofing application on residential buildings.

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

## Technical characteristics

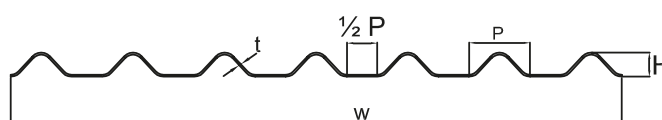
Length	L	97 cm
Width	w	57 cm
Thickness	t	3 mm
Height of corrugation	H	38 mm
Pitch of module	S	146 mm
Product surface		0.55 m <sup>2</sup>
Net surface		0.39 m <sup>2</sup>
Weight of product		1.7 kg
Weight per product surface		3.13 kg/m <sup>2</sup>
Corrugations + Flat		7 + 6

## MECHANICAL & PHYSICAL PROPERTIES

Bending under downward load	Not Applicable
Impact strength	Not Applicable
Tearing strength	> 200 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	> 200 N

## FIRE PERFORMANCE

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

## Color



Dual Red

Other Colors:  
Dual Green, Dual Brown, Dual Grey

## Installation

Special conditions of installation are required. Refer to the installation guide.

**Minimum roof pitch:** 27 % (15°)

**Vertical Overlap:** 1 corrugation (9,7 cm)

**Horizontal Overlap:** 12 cm (The tile has 2 embossed line on each side helping installation). The black shadow line shows the upper part of the tile, guiding the orientation of the tile on the roof.

**Fixing instructions:** 6 fasteners / tile – on top of corrugations. Every corrugation must be fixed at eave and overlaps.

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