Technical data sheet

SA009 1104 12624 V3

ONDULINE ONDUVILLA®

Material/Application

ETA 10/0018 Corrugated bitumen Tile

DOP 2023-004 SA009

CE

Matte colors

Technical characteristics

Length (m)	L	40 cm	[-0.1 ; +0.4] cm
Width (m)	W	107 cm	± 2 cm
Thickness	t	3 mm	[+/-10 %]
Heigh of corrugation	H	38 mm	± 2 mm
Pitch of corrugation	P	97.3 mm	± 3 mm
Gross surface		0.43 m²	
Net coverage surface		0.31 m²	
Weight of product		1.30 kg	± 0.09 kg
Weight (g/m²)		3.04 kg/m²	[+/-10 %]
Nb of corrugations/flat		6/5	

Mechanical & physical properties

Bending under downward load	NPD
Impact strength	NPD
Tearing strength	≥ 200 N
Water impermeability	Pass[1]
Proportion of bitumen	> 40%
Homogeneity	Pass[2]
Water absorption	< 20%
Recycled content	50 %[3]

Durability

Water impermeability after ageing	Pass[1]
Tearing strength after ageing	≥ 200 N
Thermal coefficient	< 100.10-6 1/K

1 No drop of water underneath sheet after 48 hours
2 No area larger than 1 cm² without bitumen
3 ICC-ES VAR Environmental Report VAR-1016 - independant third party

Fire resistance

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

Installation

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

Warranty

All the claims will be considered with respect to application recommendations issued by Onduline company see terms and conditions.

Tariff code - HS: 68079000

This TDS was made based on currently available information. Product was made in accordance with above mentioned parameters, but producer/distributor can't anticipate any future change as well as change of regulations. It is the consumer's responsibility to use the product in accordance to producer/ distributor recommendations and his needs. All the claims will be considered with respect to application recommendations issued by Onduline company. See terms and conditions: https://www.onduline.com/en/terms-and-conditions

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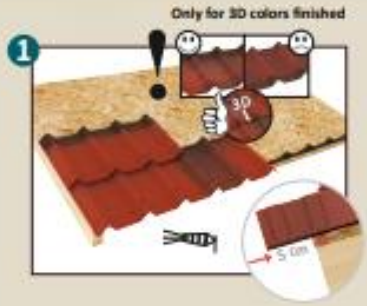
Onduline®
Lightweight roofing systems

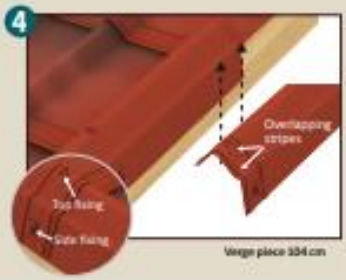
Installation in few and easy steps



Start the installation in a direction opposite to the prevailing winds. Start the fixing from the eave. The overhang has to be max 5 cm. To prevent the penetration of wind driven rain, snow and birds fix ONDUVILLA® foam fillers.

Stagger the rows, by starting the second row with a half tile. Ensure proper waterproofing by aligning the overlapping guides.

The fixing on each corrugation should be done in the right order and in between the 2 overlapping guides. Do not fix those corrugations that will be overlapped by the next tile or verge piece.



The aesthetics and wind uplift protection can be optimized by using the verge element accessory, which is fixed first on the sidewall, then as well on the top of the corrugation.

If the opposite end the roof doesn't finish with a corrugation, cut the last tile at the edge of the roof and use a batten as a support for the corrugation. Bend the last tile over the batten, in order to ensure proper waterproofing.

Ensure watertightness at ridge by applying the ONDUVILLA® foam fillers, on both sides of the ridge line.

Cover the ridge with the Slim cap and fix it on each side of the roof, through the foam fillers, on top of the corrugations.
The direction of the overlap is opposite to the direction of the prevailing winds.

Finish the ridge with the Closure cap element for better aesthetic and better waterproofing.

How to cut and trim your product?

You can easily cut the sheets with roofers cutter, or with hand or mechanical saw.

FOR MORE INFORMATION

Watch the installation video!