

Technical Data Sheet

T09048 - V01 - 05-2020 - NA V01

ONDURA® PREMIUM SERIES 10 CORRUGATION HALF PANEL

Material / Application

Lightweight bitumen sheet for roofing application on auxiliary buildings.

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

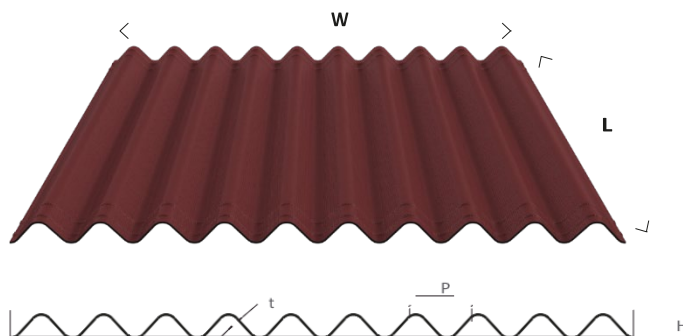
Length	L	39.5 inches
Width	w	38 inches
Thickness	t	1/8 inch
Height of Corrugation	H	1.5 inch
Pitch of Corrugation	P	3.8 inch
Product Surface		10.4 ft ²
Weight of Product		7.2 lbs.
Weight of Gross Surface		0.69 lbs./ft ²
Corrugations		10
Overlap		4 inches
Net Coverage Area		8.4 ft ² ~12 panels/100 sqft.

MECHANICAL & PHYSICAL PROPERTIES

Bending under downward load	≥ 1400 N/m ² 1400 Pa
Impact Strength	16 inches
Tearing Strength	> 200 N
Water Impermeability	Pass ¹
Proportion of Bitumen	> 40%
Homogeneity	Pass ²
Water Absorption	< 20%
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



Color



Estimating

Roughly 12 panels are needed per 100 square feet (square) of coverage. Add 10% to any project to ensure completeness.

Use with Onduline® 3-inch Fasteners and Ondura® Premium Ridges.

These panels use approximately **20 to 26 fasteners per panel** (depending on typical winds in the area) including up to 12 fasteners used to overlap with adjacent panels.

$$\text{Number of Ridges for Project} = \frac{\text{Total Ridge Length (inches)} + 8 \text{ inches}}{32.5 \text{ inches}}$$

Installation

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

To maximize performance and in areas of heavy snow, installation on decking is recommended with a minimum thickness 1/2-in.

Max Overhang: 2¾ inches

Minimum Pitch:

- 2:12 on decking with additional waterproofing*
- 3:12 on decking with no additional requirements
- 4:12 on purlins with maximum 18 inch spacing

* At minimum include longer 8-inch overlap, beyond the embossments and wider end/side laps of 2 corrugations.

This Technical Data Sheet was made based on currently available information as of May 14, 2020. Product was made in accordance with above mentioned parameters, but producer/distributor can't anticipate any future change or any changes in regulations. It is the consumer's responsibility to use the product in accordance to producer/distributor recommendations and their needs. All the claims will be considered with respect to application recommendations issued by Onduline North America, Inc.

Onduline-usa.com

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Onduline®
Lightweight roofing systems