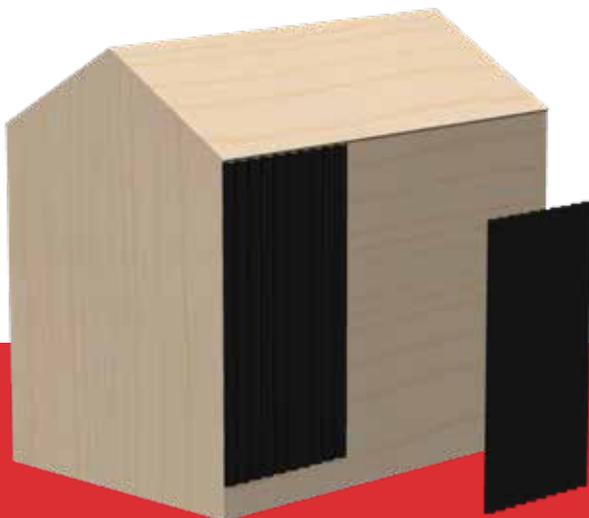


ONDULINE® CLASSIC

Cladding installation



INSTALLATION OF ONDULINE®
CLASSIC BITUMINOUS CORRUGATED
SHEETS FOR CLADDING APPLICATIONS*



Aesthetic



Lightweight



Easy to install



High Quality

Onduline®

Get the roof done - and done well

ONDULINE® CLASSIC: The Easy-to-Install Cladding Solution for Leisure Buildings



Aesthetic



Lightweight



Easy
to install



High Quality

Transform your **leisure buildings*** with a **cladding solution** that balances aesthetic charm with heavy-duty performance. **ONDULINE® CLASSIC** bituminous corrugated sheets offer a lightweight, eco-conscious, and incredibly durable alternative to traditional timber or metal cladding.

Whether you are finishing a premium garden room, a workshop, or a bespoke summerhouse, **ONDULINE® CLASSIC** provides a professional finish that stands the test of time.

* *Small detached non-residential buildings such as:*

- *Leisure outbuildings / home offices*
- *Agricultural buildings*
- *Garage workshops*
- *Animal housing*

Please note that Onduline bitumen corrugated sheets are classified as Class E under the European Reaction to Fire standard (EN 13501-1). ONDULINE® CLASSIC sheets are considered combustible and should only be installed on detached leisure buildings, as listed above.

Why Choose ONDULINE® CLASSIC for Cladding?

ONDULINE® CLASSIC isn't just for roofs. When applied as cladding, it provides a unique textured finish that blends seamlessly into natural environments while offering excellent protection.

Weatherproof & Corrosion Resistant: Unlike metal, Onduline never rusts. It is also resistant to fungi and most chemicals, making it ideal for damp or coastal environments.

Thermal & Acoustic Comfort: The fibrous composition significantly reduces noise from wind and rain and provides better thermal insulation than thin metal sheets.

Lightweight & Easy to Handle: At only 6.4 kg per sheet, it places minimal stress on the building framework and is easy for a single person to install.

Made from Recycled Materials: Manufactured from recycled cellulose fibres and contains no asbestos.



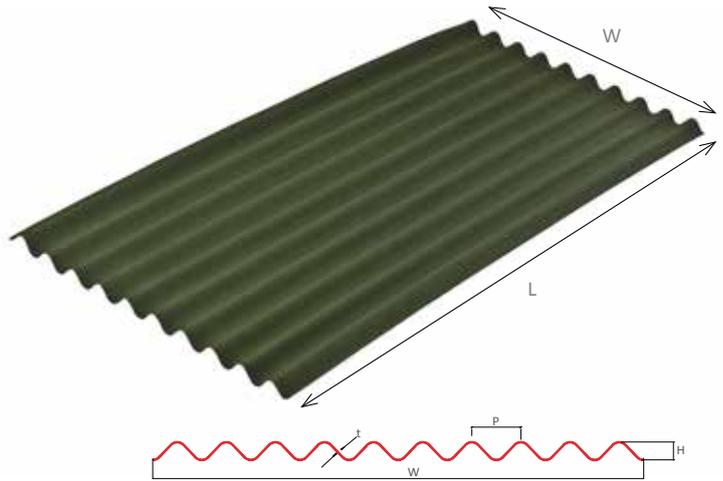
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TECHNICAL CHARACTERISTICS

Corrugated bitumen sheet reinforced with cellulosic fibers and thermosetting resin. The composite sheet is coloured with inorganic pigments.

CE EN 534:2010 - Corrugated bitumen sheets
 Category R
 DOP: 06-001 2016-12-12



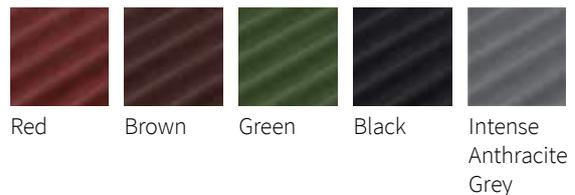
SPECIFICATION	
Material	Bitumen reinforced with cellulosic fibers and thermosetting resin and coloured with inorganic pigments
Item Length (cm)	200
Item Length Tolerance	[-0.4; +2] cm
Item Width (cm)	95
Item Width Tolerance	± 1,5 cm
Item Thickness (mm)	3
Item Thickness Tolerance	+10 %
Corrugation Height (mm)	38
Corrugation Height Tolerance (mm)	2
Corrugation Pitch (mm)	95
Corrugation Pitch Tolerance (mm)	3
Corrugation Number	10
Item Surface (SQM)	1,9
Mean Net Weight (kg)	6,44
Item net weight Tolerance	[± 0.20] kg

MECHANICAL & PHYSICAL PROPERTIES	
Bending Under Downward Load (N/m ²)	≥ 1400 N
Impact Strength (mm)	400
Tearing Strength (N)	≥ 200
Water Impermeability (Pass/Fail)	Pass
Water Vapour Permeability (μ)	NA
Dimensional Tolerances	NA
Recycled Content (%)	51% Post-consumer recycled content
Recycled Content Evidence	ICC-ES VAR -1016 Environmental Report

DURABILITY	
Water impermeability after ageing	Pass
Tearing Strength After Freeze/Thaw Ageing (N)	≥ 200
Water Impermeability After Freeze Per Thaw Ageing (Pass/Fail)	Pass
Thermal Coefficient (1/K)	<100

FIRE RESISTANCE	
Reaction to Fire (Class)	E
Reaction to Fire (Class)	Froof

Colours



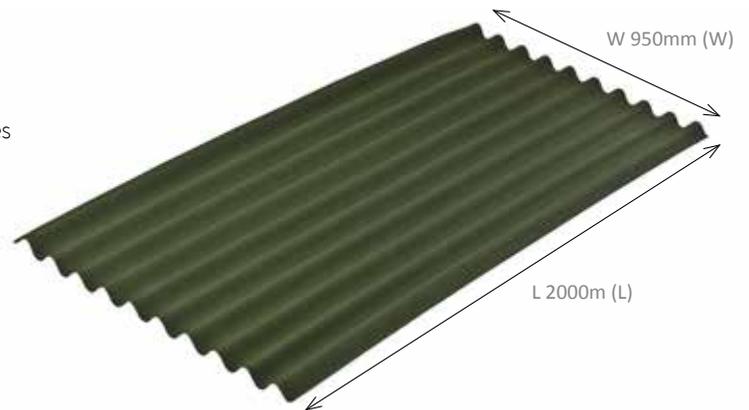
GETTING STARTED

To install ONDULINE® CLASSIC corrugated sheets as cladding to your leisure buildings, you will need:

ONDULINE® CLASSIC Sheets

ONDULINE® CLASSIC is a robust, yet lightweight bituminous corrugated sheet that is **BBA certified** and features a unique technology that combines cellulosic fibres and selected bitumen for excellent waterproofing.

- **Fast and easy to install:** Extremely Lightweight (only 3.3 kg/m²)
- **Safe Material:** Free from harmful substances and naturally free of sharp edges, ensuring safe handling for installers.
- **Rust-Free and Temperature Resistant:** Withstands a wide range of temperatures, from extreme cold to the hottest conditions.
- **Flexible Material:** Adapts to uneven structures during renovations is easy to shape and cut for precise installation.



ONDULINE® SCREWS

ONDULINE® SCREWS can be fixed on wood or steel purlins using a power drill. This self-tapping screw has a PVC integrated washer to prevent the sheet riding up on the thread. It enables correct tension to be achieved avoiding over tightening and distortion.

Available in same colour ranges as the ONDULINE® CLASSIC sheets.



Recommended toolkit

The following are some of the tools required to install ONDULINE® CLASSIC as an aesthetic fence covering. Other tools may include a tape measure, electric drill etc. Take extra care and always use protective equipment especially when working with sharp or electrical tools.



1. Hand saw



2. Lubricant spray



3. Safety gloves

TYPES OF STRUCTURE

ONDULINE® CLASSIC Sheets can be installed on a fully cladded surface or a timber structure. When installed as cladding, ONDULINE® CLASSIC sheets have been designed for weatherproofing and for aesthetic purposes.

A. FULLY CLADDED SURFACE

On the fully cladded surface the thickness of the existing cladding must be a **minimum of 30mm** to ensure fixings do not penetrate to the inside of the building.



B. TIMBER STRUCTURE

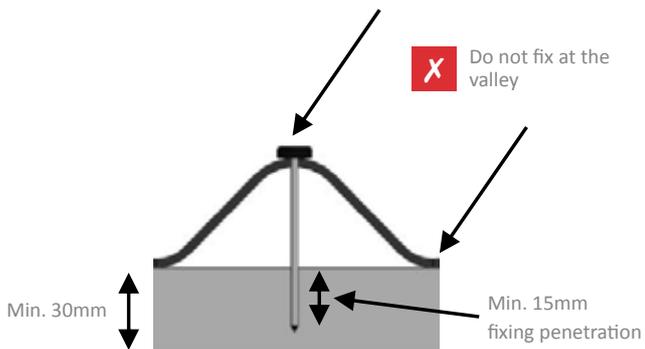
On a timber structure the thickness of the structure must be a **minimum of 30mm** to ensure fixings do not penetrate to the inside of the building.

In both scenarios A and B, ONDULINE® SCREW fixings must always have a bite of a minimum 15mm into the timber structure as shown here:



✓ Fix at the top of the corrugation

✗ Do not fix at the valley



INSTALLATION STEPS

PREPARATION

Ensure the existing cladding surface is in good, sturdy condition and suitable to fix to. Ensure the sheets are fixed at a minimum 200mm separation from ground level.

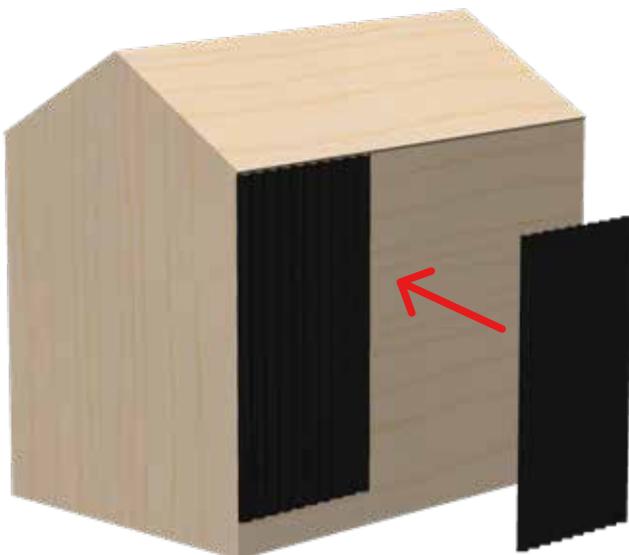
Step 1



FIX THE SHEETS

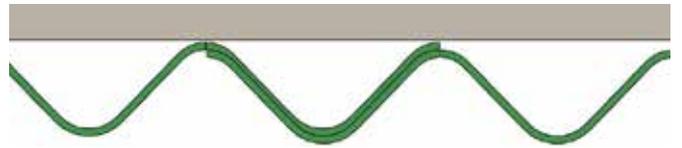
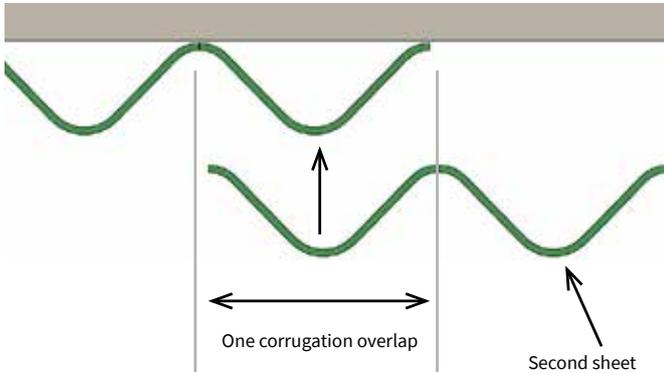
If necessary, cut the sheets using a lubricated hand saw. Hold the ONDULINE® CLASSIC sheet against the existing structure. Use four ONDULINE® SCREW fixings to pin the sheet in place temporarily as show in the picture. Always fix at the top of corrugations.

Step 2



OVERLAP THE SHEETS

Rest the second ONDULINE® CLASSIC sheet against the existing structure and use another four ONDULINE® SCREW fixings to pin the sheet in place temporarily. Overlap the sheets by one corrugation.

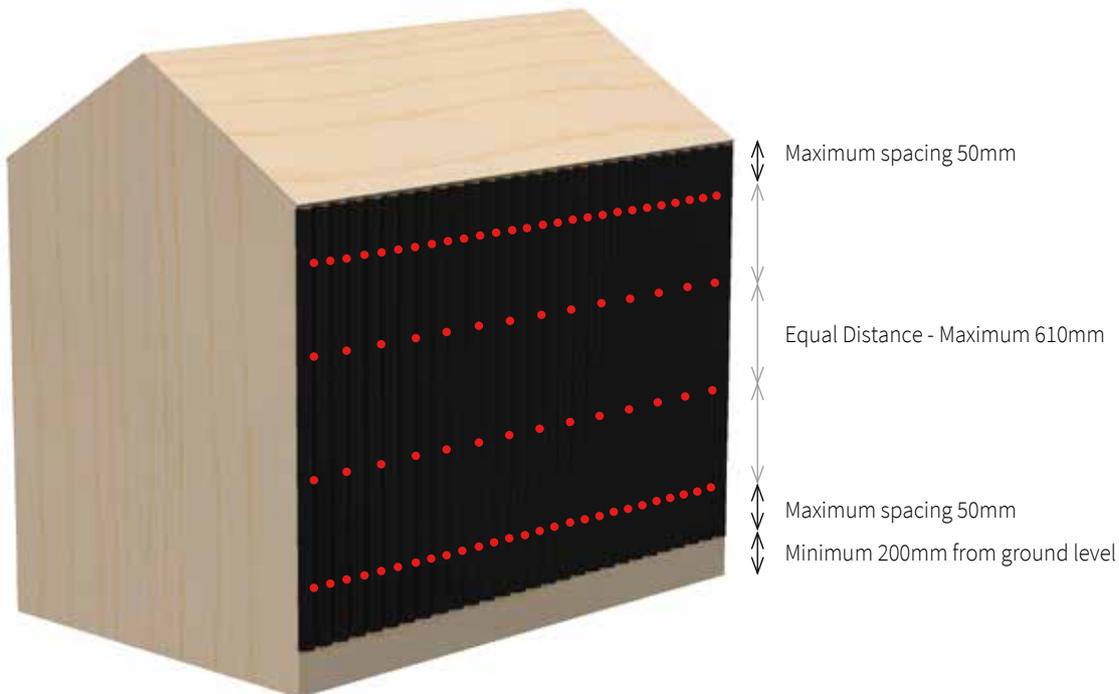


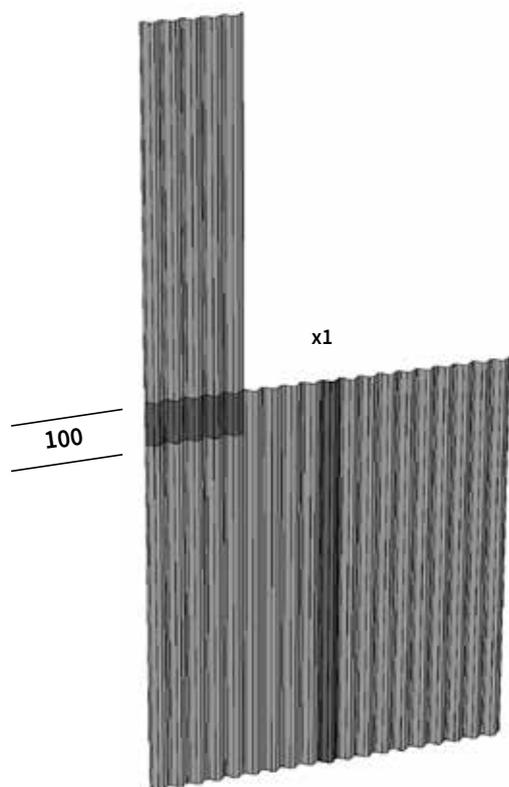
Start fixing sheets at the opposite to prevailing winds end of the roof.

Step 3

FIXING THE SHEETS

Fix the rest of the ONDULINE® fixings. All corrugations should be fixed at the top and bottom sections. Every other corrugation should be fixed in between.
 Note: Always fix the overlapping corrugation.





STAGGERING THE SHEETS

When stacking sheets vertically, always stagger your joints for better structural integrity; do this by starting your second course with a sheet cut in half. Each row should overlap the one below by at least 100mm. Please ensure the total cladding height does not exceed the 10-meter safety limit.





PRODUCT GUARANTEE

The following terms outline the warranty coverage for ONDULINE® CLASSIC bitumen sheets when utilised as external cladding on leisure buildings (such as summerhouses, garden offices, and sheds).

1. Anti-Rot Guarantee

Onduline® provides a guarantee against structural failure due to rot for the specified life of the product, provided the following conditions are met:

- **Ground Contact:** The sheets must not be installed in direct contact with the ground or submerged in water. A sufficient clearance must be maintained between the bottom of the sheets and the ground surface to prevent moisture wicking.
- **Installation:** Sheets must be installed strictly in accordance with the official Onduline Assembly Instructions. This includes proper fixing patterns, use of approved Onduline fasteners, and correct overlapping.
- **Structural Integrity:** The guarantee covers the Onduline® sheets only. The leisure building's primary structure may be susceptible to environmental changes. Any failures resulting from movement, warping, or shifting of the underlying building structure – whether caused by extreme weather or settling – are considered structural issues and are not covered by this warranty.

2. General Exclusions

- **Aesthetics:** This guarantee specifically excludes colour fading and discoloration over time. Surface weathering is a natural process and does not affect the waterproofing or structural performance of the material.
- **Misuse:** Damage resulting from improper storage, physical impact, or chemical exposure is not covered.
- **Extreme Weather:** While ONDULINE® CLASSIC is resilient, damage caused by "Acts of God" (e.g., hurricanes, tornadoes, or extraordinary hailstorms) falls outside standard warranty coverage.

3. Claims Process

To validate a claim under this warranty, the following must be provided:

- **Proof of Purchase:** You must retain your original receipt or invoice.
- **Documentation:** Photos of the reported defect and the overall installation may be required for initial assessment.

Note: Proper ventilation of the leisure building is essential to prevent internal condensation, which can mimic the appearance of leaks or affect the cladding over time.



Onduline® offers a variety of lightweight roofing solutions and construction solutions, including:

LIGHTWEIGHT ROOFING SOLUTIONS

- ▶ Corrugated bitumen sheets with a high recycled content.
- ▶ Shingles BARDOLINE®.
- ▶ Underlay membranes ONDUTISS® (air, vapour barrier and façade).

BUILDING ENVELOPE SOLUTIONS

- ▶ Opaque polyester systems: ONDUCLAIR® COLOUR, PROTECT & RENOV.
- ▶ Transparent solutions: ONDUCLAIR® range PVC, polyester, polycarbonate sheets and polycarbonate multiwall, synthetic glass ONDUGLASS®.

WATERPROOFING & PROTECTION

- ▶ BITULINE® membranes, composed of modified bitumen to waterproof roofs & foundations.
- ▶ FONDALINE® membranes, for the drainage and protection of foundations and basement.

Onduline® also provides a **variety of complementary products and accessories** such as ridge caps, screws, nails, and adhesives designed to complement roofing products and ensure proper installation.



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Onduline®
Get the **roof** done - and done well