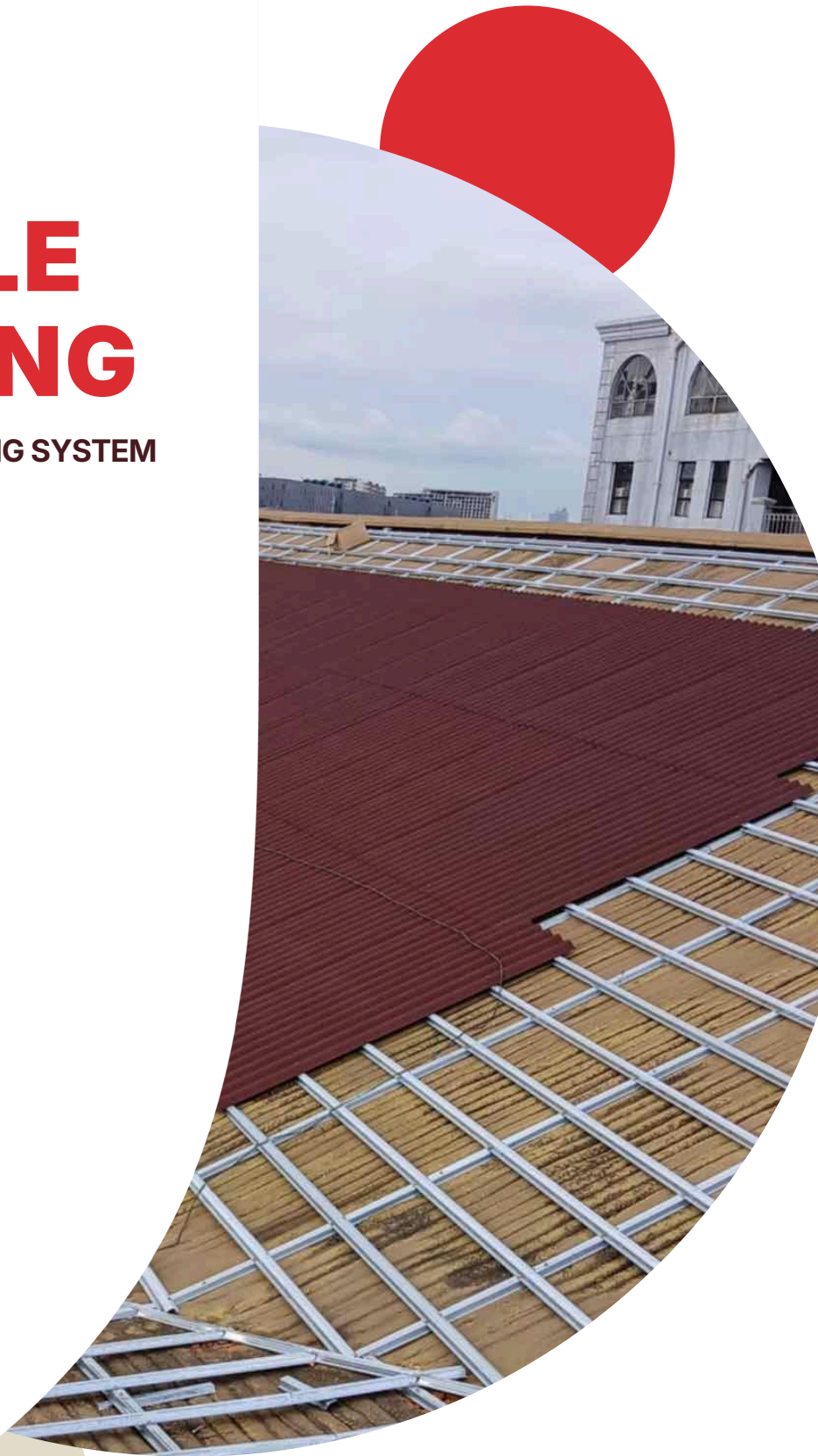
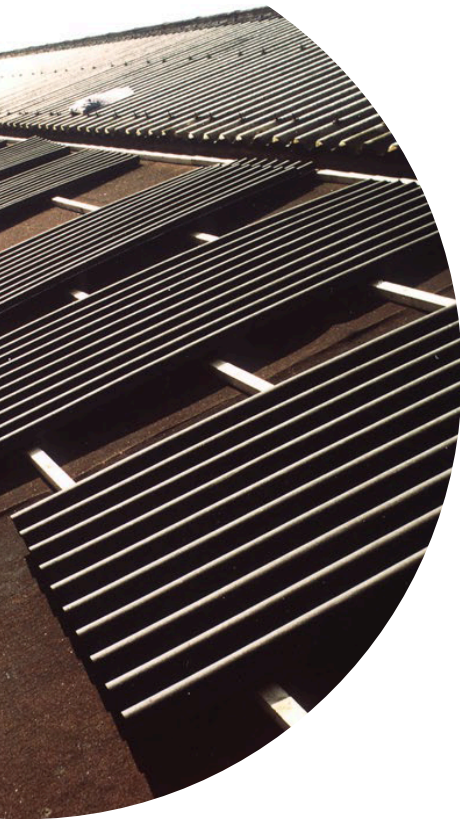


DOUBLE ROOFING

A SMART OVER-ROOFING SYSTEM



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


▶ DOUBLE ROOFING

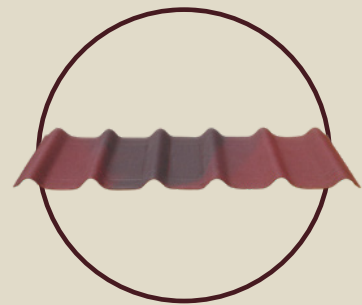


ONDULINE CLASSIC®

Specification

Length	2000 mm (-4 mm ; + 20 mm)
Width	950 mm (±20 mm)
Thickness	3 mm (± 10%)


 Red, Green, Brown, Black



ONDUVILLA®

Specification

Length	400 mm (-0.1 + 20 mm)
Width	1070 mm (±20 mm)
Thickness	3 mm (± 10%)

 Shaded colors of green, brown, red and dark grey

A practical and efficient solution for roof repair — **installing a new roof directly over the existing one without demolition or disposal.**

This approach preserves the integrity of both roofs, **minimizes disruption**, and **significantly reduces cost** and installation time compared to traditional replacements.

BENEFITS



TIME EFFICIENT

No need to dismantle the old roof and existing frame.



COST EFFICIENT

Save dismantling cost and additional labor.



EASY TO TRANSPORT AND INSTALL

No need to leave the building and disrupt activities beneath.

NOISE REDUCTION



With this system, people living inside the building benefits from a better thermic and acoustic comfort as the rain noise is reduced.



THERMAL COMFORT

It can withstand all types of climates from the cold weather to the heat humidity.

APPLICATIONS



Individual
& collective housing



Commercial buildings
and resorts



Public-access
buildings



Farm
buildings

STEP-BY-STEP INSTALLATION

STEP 1 - EVALUATE the condition of the roof

Inspect overall roof condition:

- Rust level and perforation (steel purlins)
- Termite activity (wooden purlins)
- Identify if additional load will affect the structure
- Evaluate need for waterproofing before installation

Steel Roof Framing

Frame must be rigid

Maximum 5% rusted areas (must be treated before installation)

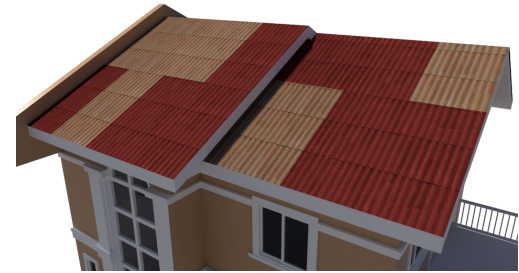
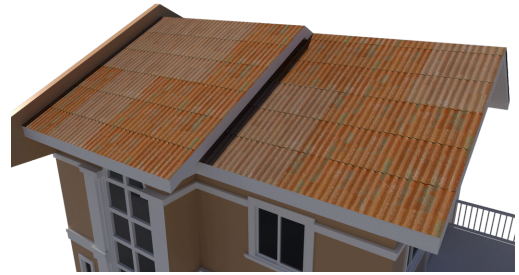
No structural deflection (max allowable: L/240)

Wooden Roof Framing

Frame must be rigid and free from termite infestation

No structural deflection (max allowable: L/360)

Note: Clay/concrete tiles are not recommended for double roofing due to fastening limitations.



STEP 2 - APPLICATION of roof treatment

Steel Purlins

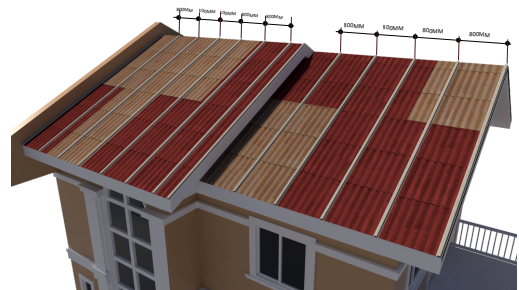
- Apply paint on affected areas

Wooden Purlins

- Apply termite control treatment to prevent growth and infestation

Existing Roof Surface

- Apply roof paint to protect and prepare for installation



STEP 3 - INSTALLATION of battens on existing roof

- Measure roof slope and verify purlin spacing

Install main vertical support battens (hat type recommended):

Spacing: 800mm

- Secure vertical framing to existing purlins

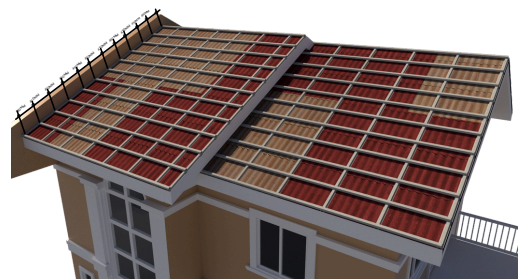
Horizontal Battens Installation

Onduline Classic

- 300mm spacing 5-10 deg
- 450mm spacing 11-14 deg
- 600mm spacing >15 deg

Onduvilla

- 270mm spacing (1st & 2nd battens, $\geq 15^\circ$ slope)
- 320mm spacing for succeeding battens
- Ensure all battens are properly secured



After treatment and evaluation, follow Onduline's comprehensive installation guidelines for guaranteed performance and durability.

STEP 4 - FIX the sheets or tiles

STEP 5 - SCREW application

STEP 6 - OVERLAPPING and OVERHANG

STEP 7 - APPLICATION of Ridges



Watch the installation video!



Download the installation guide!

About ONDULINE®

For about **80 years**, ONDULINE® strategy has successfully combined growth and international development.

The cellulose-bitumen-based roofing and under-roofing material known as ONDULINE® was invented and launched in the French

Specialized in **innovative roofing systems**, the group has been growing since then, until leading the market of lightweight roofing

ONDULINE® is part of Kingspan's Roofing and Waterproofing division.

Working alongside Kingspan since 2022, we both share common goals: to thrive as an international group and cultivate an entrepreneurial and collaborative culture.

In the **Philippines**, ONDULINE started its operations in 2012 in Taguig City, having warehouse in **Cebu** and **Valenzuela** to efficiently serve our clients.



Onduline reserves the right to amend product specifications without prior notice. Product thicknesses shown in this document should not be taken as being available ex-stock and reference should be made to the current Onduline price-list or advice sought from Onduline Customer Service Department. The information, technical details and fixing instructions etc. included in this literature are given in good faith and apply to uses described. Recommendations for use should be verified for suitability and compliance with actual requirements, specifications and any applicable laws and regulations. For other applications or conditions of use, Onduline offers a Technical Advisory Service, the advice of which should be sought for uses of Onduline products that are not specifically described herein. To ensure you are viewing the most recent and accurate product information, please scan the QR code directly above.

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