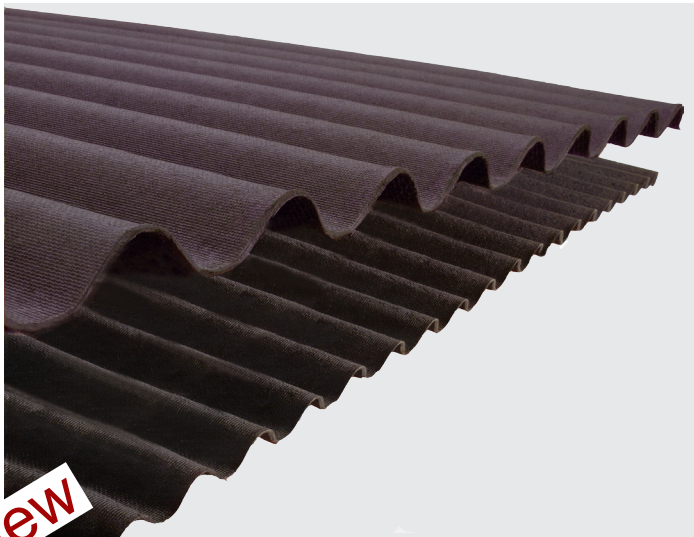


# New Ondutile

## Ondutile Development.

Since its introduction onto the UK market in 1989, the Ondutile system has been continually developed to become the acknowledged market leading independent secondary weatherproof roof underlay system for low pitch tile, slate, and applications and shingle applications.



## Ondutile Lowline base sheet.

With the introduction of a new Onduline *low-line* base sheet the Ondutile system now offers the choice of two base sheets to select from.

### Existing Onduline PPHR High ventilation

This proven tile underlay base sheet maximises sub roof ventilation and gives outstanding ventilation above and below the sheet providing weathering performance.

### New Onduline Lowline 24mm Low profile

Provides the same durable weathering performance whilst reducing the roof section making it ideal for projects on which the height restriction or the aesthetic appearance of the roof line is of paramount importance.



## Fixing specification

The detailed design and fixing instructions are described in the Ondutile leaflet. The main difference in the fixing instructions being the size and type of the fixings required to nail through the tile batten through the top of the low-line sheet corrugation and into the Ondutile support batten or decking.

Please refer to the main Ondutile leaflet mechanical fixing section and amend as follows:

### Mechanical fixing specifications:

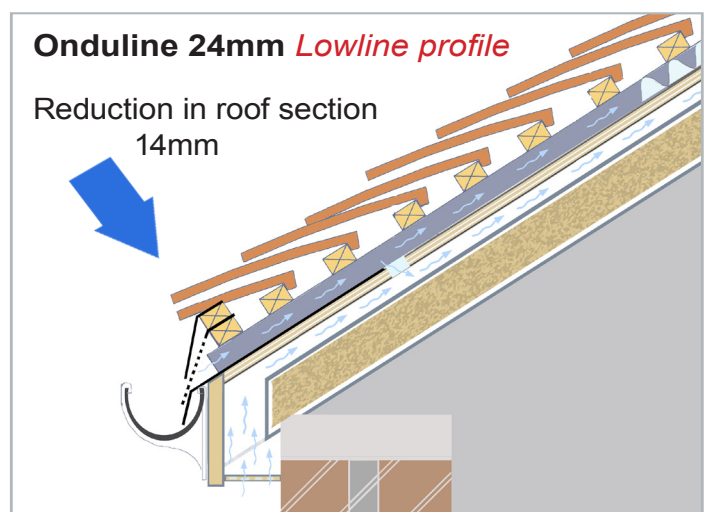
Ondutile low-line is fixed in accordance with the Ondutile fixing instructions set out in the existing Ondutile leaflet but with the alteration to the nail fixing specification for the tile batten fixing and sheet laying specification as follows:

**Type A** fixing specification: (Ring shank) **65mm**

**Type B** fixing specification: (Ring shank) **65mm**

The Ondutile lowline base sheets are laid with a **double corrugation side lap and 200mm end lap**. A sheet under normal conditions will provide 1.7m<sup>2</sup> coverage compared to the 1.5m<sup>2</sup> of a standard Onduline PPHR sheet

## 24mm Isoline base sheet



So now the choice is yours select either the existing proven Ondutile; or the new Ondutile Lowline profile base sheet to suit your roofing design requirements. Allowing roofing tiles and slates to be laid below the manufacturers minimum recommended roof pitch with confidence.

Lower your roof pitch not your expectations.

# Onduline

## Under roofing system

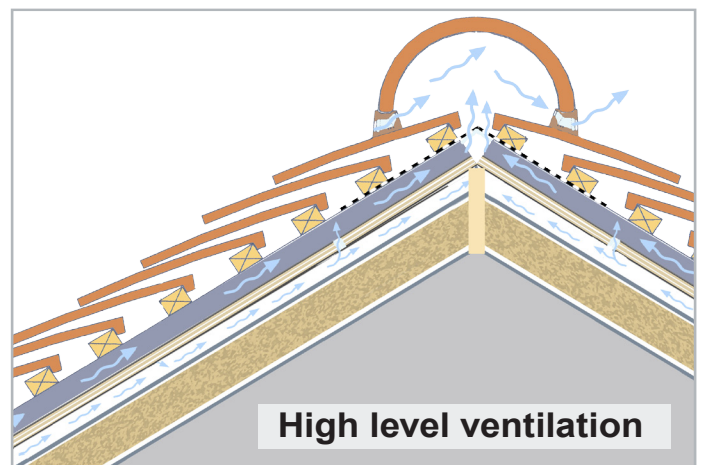
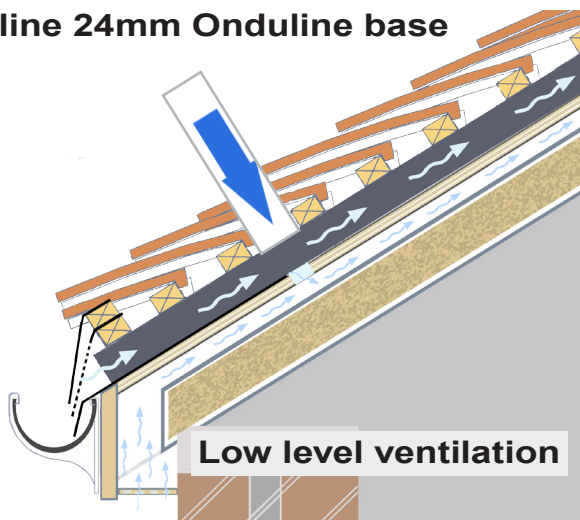
Sheet end lap: (Sheet cover 1.800m)	200mm
Side side lap: Two corrugations (Sheet cover 1.800 x 0.960m)	96mm
Average sheet coverage:	1.700m <sup>2</sup>

## Product specification

	Colour	Dimensions	Weight	Corrugation width / height		Ventilation per sheet	Profile
<b>Standard</b> Onduline PPHR <i>High ventilation</i>	Black	2m x 0.950m (10 corrugations)	6.4kg	95mm	38mm	17,000mm per linear metre	
<b>New</b> Onduline Lowline <i>Low profile</i>	Black	2m x 1.056m (22 corrugations)	6.5kg	48mm	24mm	10,500mm per linear metre	

- > Reduced roof pitch for tiles, slates and shingles.
- > Immediate weather protection.
- > Easy to handle and fix on site.
- > Improved ventilation, moisture control and thermal performance.
- > Security of durable secondary roof.

Standard 38mm Onduline base  
Lowline 24mm Onduline base



## Roof ventilation

Onduline forms a cold roof section and requires ventilation above and below the Onduline sheet, if decking is used, slots in the decking can be provided at high and low levels to form ventilation channels utilising the sheet corrugations which contribute 10,500mm<sup>2</sup> per linear metre ventilation to the total ventilation requirement. This is sufficient low level ventilation at the eaves for **Roof pitches of 15° or more** requiring 10,000mm<sup>2</sup> per linear metre low level and not less than 5,000mm<sup>2</sup> per linear metre high level. The ventilation requirement is set out in the Onduline leaflet.

www.**Onduline**.net

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DECLARATION OF CONFORMITY  
Manufactured in accordance with the European Standard EN 12566-1  
Product Standard EN 12566-1 and under control of Bureau Veritas  
July 2014, 1st Edition

### Onduline Literature

Contact our sales office to obtain Onduline literature  
Alternatively visit our web site: [www.onduline.net](http://www.onduline.net) and  
download a PDF leaflet immediately.

### Note:

At the time of writing the Onduline Lowline base sheet is  
not covered within the existing BBA certification.

