



ONDULINE OVERSHEETING INTRODUCTION AND BENEFITS

Oversheet System

The Onduline Oversheet System has been developed with the benefit of our extensive world-wide experience. It is an adaptable system that is ideally suited to a wide variety of roof construction types.

Faced with the problem of renewing an old deteriorating corrugated roof there are two options available-to remove and replace, or to oversheet.

The advantages of oversheeting are many, particularly if the old roof is of fibre cement sheeting, and Onduline is the ideal oversheeting material combining, as it does, light weight, durability, flexibility, economy, ease of fixing and low maintenance.

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ITS

Cost

Lower cost.

Safe

Reduced health risk in handling and disposing of existing hazardous roof coverings.

Minimal Disturbance

Minimal disturbance to the inside of the building.

Improved Insulation

Improved thermal and sound insulation.

Condensation

Reduced risk of condensation.

Easy Fixing

Simple and quick installation.

Colours

Choice of attractive colours.

Low Maintenance

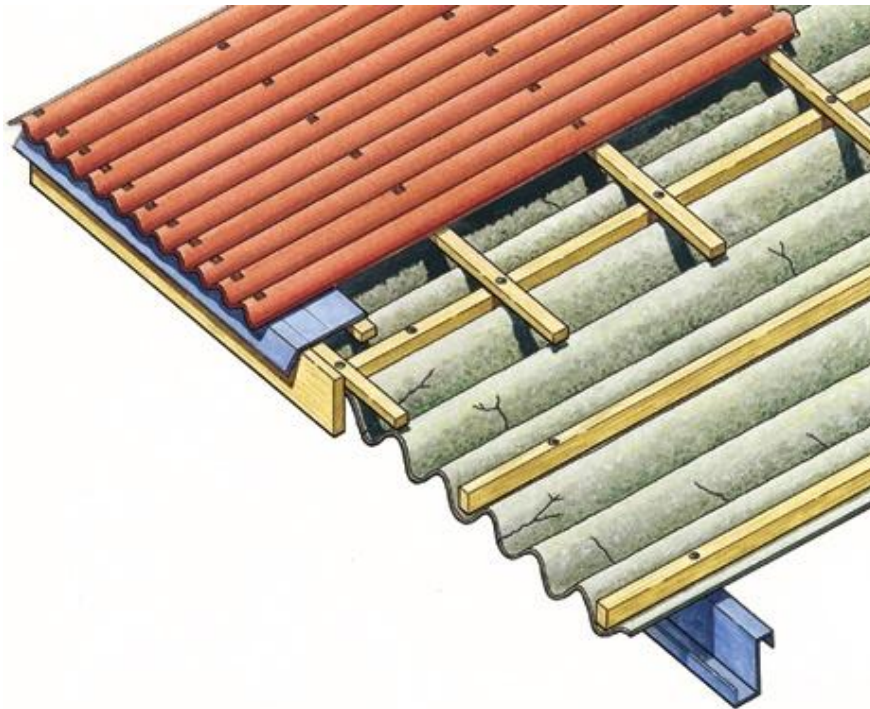
Virtually maintenance-free.

Guaranteed

EN 534 certification and 15 year insurance-backed guarantee.



ONDULINE OVERSHEETING Timber Fixing Schedule



MAIN BATTEN

Standard Sites: Fixed from eaves to ridge at 600mm centres

Exposed Sites: Fixed from eaves to ridge at 450mm centres

BATTEN SIZE

Standard 6 fibre-cement:

Main batten (mm): 75 x 50 or 50 x 50

Standard 3 fibre-cement:

Main batten (mm): 50 x 38 or 50 x 50

Profiled galvanised or plastic coated:

Main batten (mm): 75 x 50 or 50 x 50

steel or iron

Onduline Support Battens - Fixed Verge to Verge

Roof pitches over 15° : 600mm centres

Roof pitches 10° to 15° : 450mm centres

Batten size

25 x 38mm or 50 x 50



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Preparation

A thorough inspection of the existing roof structure should be undertaken, any deterioration should be rectified and the structure checked as to suitability for oversheeting procedures.

A review of the original roof design should be made to check that sufficient ventilation and insulation is provided, and if necessary, alterations incorporated in the Onduline oversheet system refurbishment. When oversheeting fibre cement roofs, it is advisable to apply a coat of PVA

adhesive to the underside of the fibre cement sheets prior to fixing to consolidate the surface.

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Fixing the Main Support Battens

Select the correct section of timber to suit existing sheet corrugation size in accordance with timber schedule, and fix from eaves to ridge through the existing roof covering in accordance with the fixing schedule.

Note: Allowance should be made for additional space required for provision of insulation. Fragile roofs will require pre-drilling. All battens must be treated.

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Fixing the Onduline Support Battens

Overlay and fix the main battens with the Onduline support battens, verge to verge, at 450 or 600mm centres in accordance with the Onduline support fixing schedule.

Note: Eaves tray and ridge component require additional support battens.

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Fixing the Onduline Sheets

The Onduline sheets are fixed in accordance with the Onduline fixing section. Care should be taken to ensure that the fixing penetrates the batten centrally.

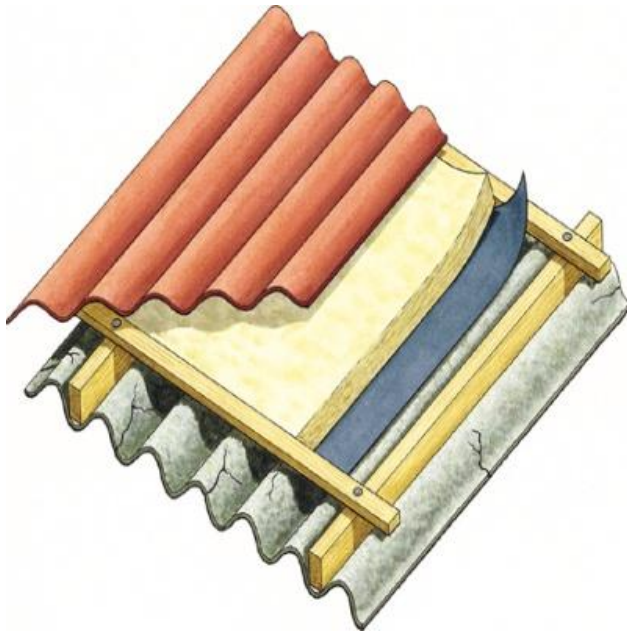


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Insulation Option

A vapour barrier membrane is laid up the roof from verge to verge over the main support battens with 100mm side and end laps. The vapor barrier is overlaid with the Onduline support battens. The insulation is laid between the support battens. The Onduline sheet can then be fixed.

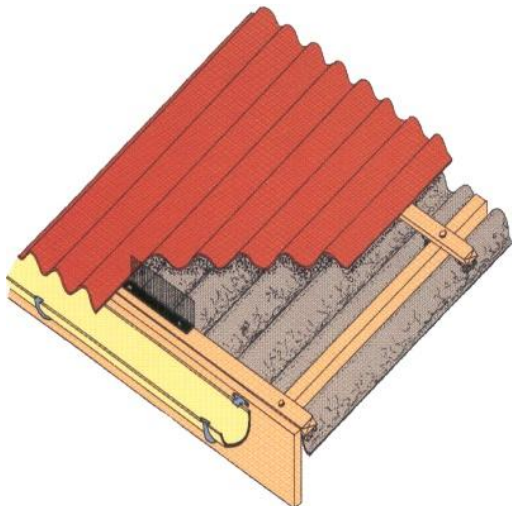
Note: Ventilation must be provided below the Onduline sheet.



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Standard Eaves Fixing

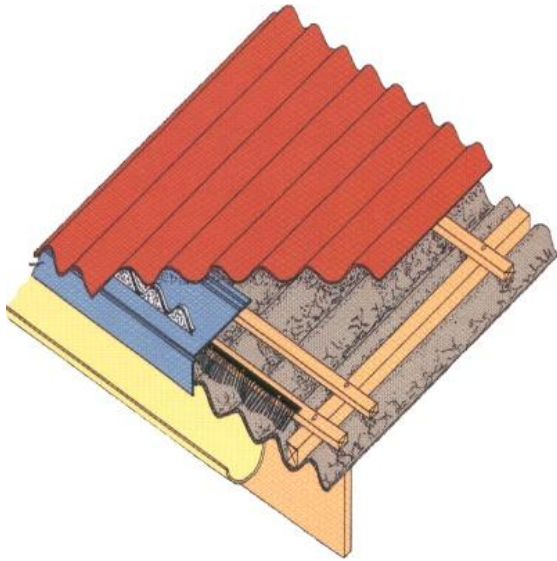
The overhang of the existing corrugated sheet is trimmed back in line with the fascia. A new raised fascia is fixed to the height of the top edge of the Onduline support battens. The rainwater goods are re-fitted. The Onduline sheet is then laid with a maximum of 70mm overhang at the eaves.



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Flush Eaves Fixing

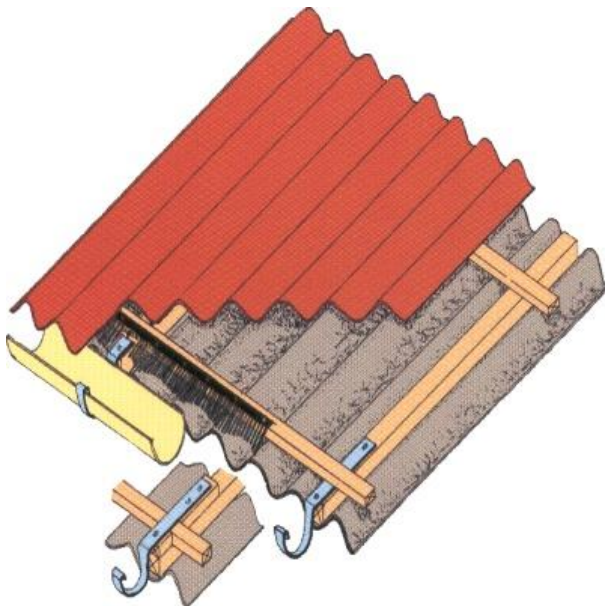
The flush eaves detail avoids cutting the existing corrugated sheet or repositioning the rainwater goods. A ventilator comb is fixed to the eaves batten sealing the existing roof corrugations; this is overlaid with an eaves tray, its rear edge supported by a secondary batten. Onduline sheet is then laid with a maximum of 25mm overhang from the front edge of the eaves tray.



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Eaves Spa Brackets Fixing

An alternative method of avoiding the cutting of the existing corrugated material is to use spa fixing brackets fixed to the main support battens, allowing the rainwater goods to be easily re-positioned.

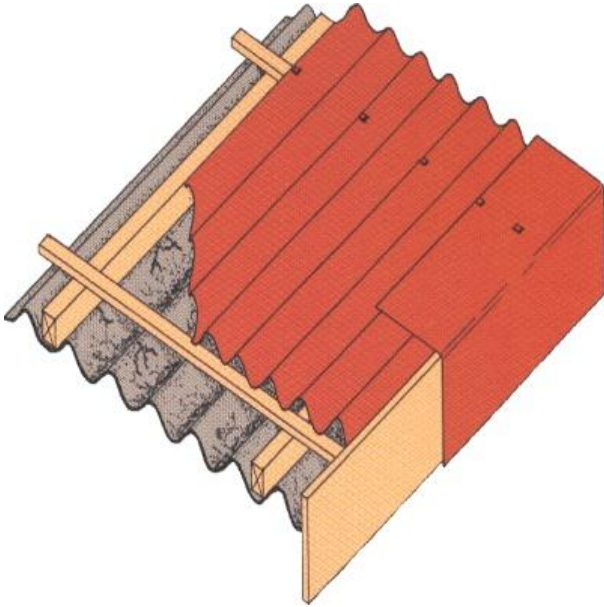




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Verge Detail

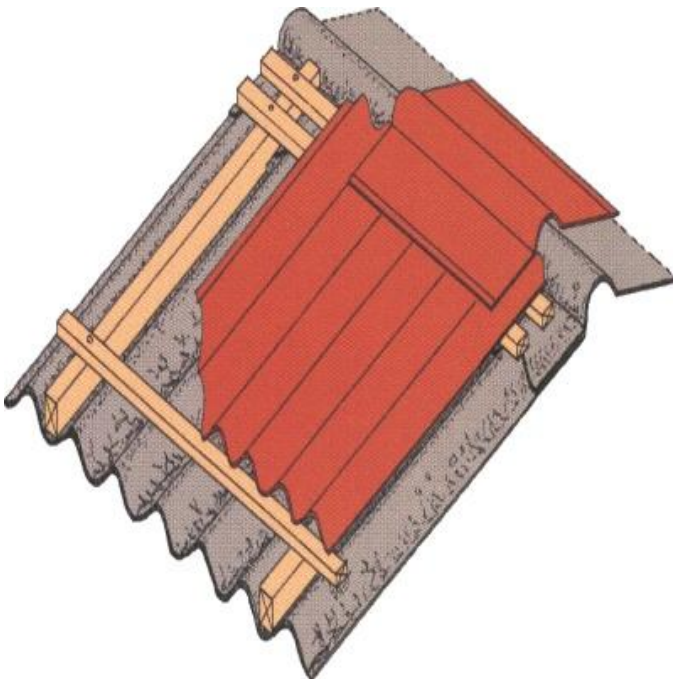
The verge is formed by using the preformed Onduline verge section, or by forming a verge cloaking piece from zinc or similar flashing material



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Ridge Detail

Onduline preformed ridge pieces are fixed and in most cases the existing ridge units can be retained. In these situations the top of the main batten may need to be chamfered to suit the raised ridge line.

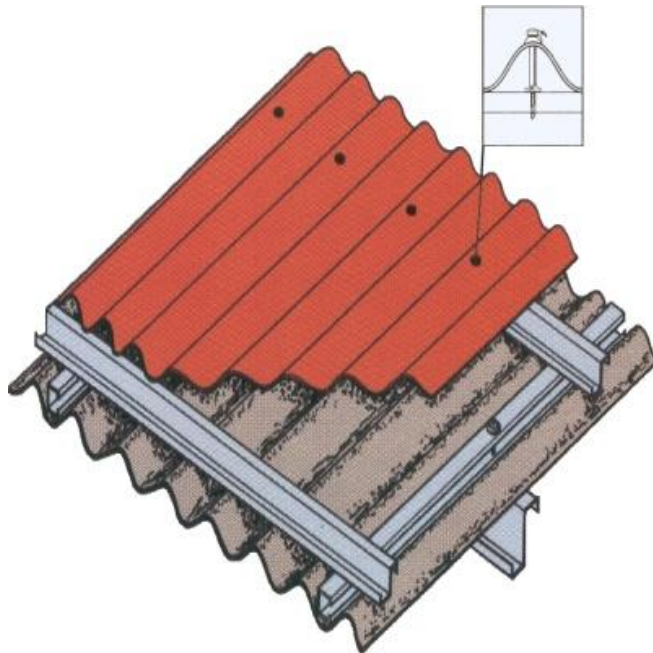




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Steel Fixing Detail

Steel oversheeting support structures can be fabricated following the same basic principles applied to timber structures. Galvanised steel multibeam rails are fixed from eaves to ridge with drill screws through the roof covering into the existing purlins. These are then overlaid with steel 'Z' section purlins at 600mm centres to which the Onduline sheets are fixed using the Onduline Stelfix drill screw.



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Advice

These installation notes are for general guidance only in fixing Onduline material. For special applications or variations in roof form, please contact our technical department for assistance.

Maintenance

To ensure a long, trouble-free life, the roof should be cleared of leaves and debris on a regular basis, and gutters should be kept clear.

Roof lights

The Onduline Oversheeting System can be easily modified to provide illumination over existing glazed roof lights.

Caution

The covering of existing fragile corrugated roofs is a specialist operation. All works should be carried out with due regard to all Health and Safety Regulations; this is of particular importance when dealing with asbestos materials. Building regulations should be adhered to and in some instances planning approval may be required.

Fire-resistance

All statutory requirements should be adhered to in accordance with relevant standards and Codes of Practice.