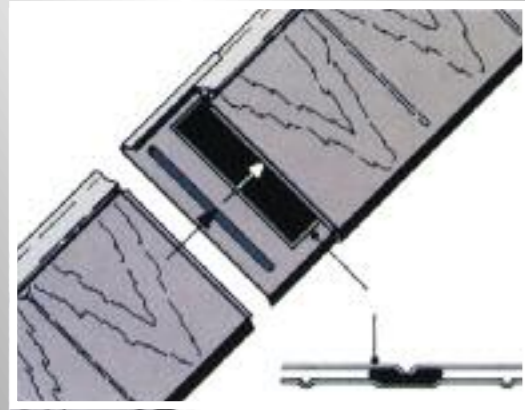


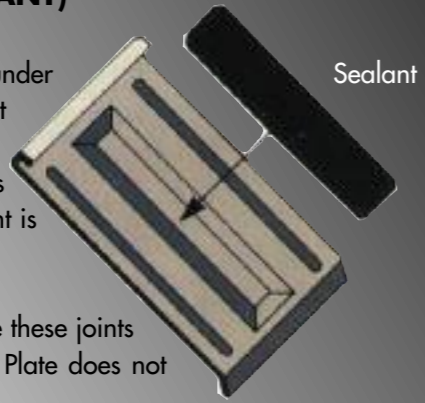
SLATE EFFECT CLADDING ROOFING SYSTEM



JOINING PLATE (WITH WEATHER SEALANT)

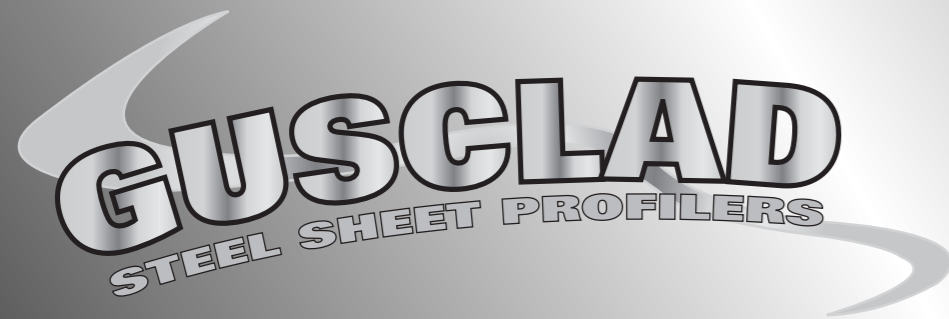
By sliding the Joining Plate under the end of the Slate Effect Cladding length and joining another length to the plate as shown, an extremely rigid joint is achieved.

NB It is not necessary to make these joints as truss/rafter as the Joining Plate does not require fixing to the roof.



EAVES GUTTER/HIP FLASHING

Various styles of guttering and flashing products are available to complement the Slate Effect Cladding roofing system.



Roofing System



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Gusclad Slate Effect

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Gusclad Slate Effect Cladding

Slate Effect Cladding is manufactured by Gusclad to provide a roofing sheet that has the appearance of natural slate with the advantages of a modern lightweight but amazingly strong building material. Slate Effect Cladding is extremely easy to fit and boasts a beautifully simple joint system with a secret fixing. Because the sheet is lightweight, less sub-structure is required and supports can be up to 1 metre apart. The system is very cost effective and is available in lengths up to 6 metres. The sheet material is 0.7mm thick with a matt polyester finish. A full range of accessories are available including ridges, joint pieces, hip and starter clips. Slate Effect Cladding is ideal for environmental sensitive locations.

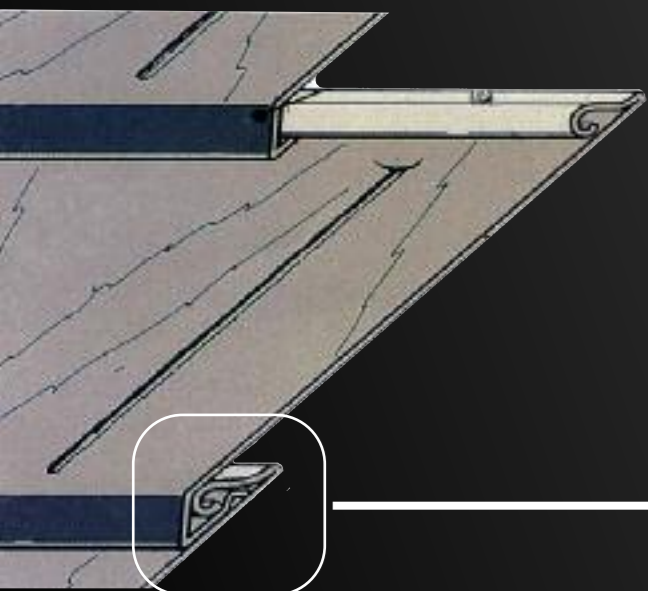
Manufactured in modular lengths, Slate Effect Cladding is extremely easy to fix. The regular slate pattern combined with the use of Joining Plates allows the most economic use of the material.

Slate Effect Cladding is produced in a matt polyester paint surface and is especially embossed and finished to represent natural slate. This finish is ideal for use in environmentally sensitive locations. However other colours and finishes are available to special order but subject to quantity and coil availability.

Gusclad have developed Slate Effect Cladding as a very lightweight material (only 6kg/m²) but have achieved amazingly strong product, which does not require the sub-structure to be strengthened as the more traditional roofing materials.

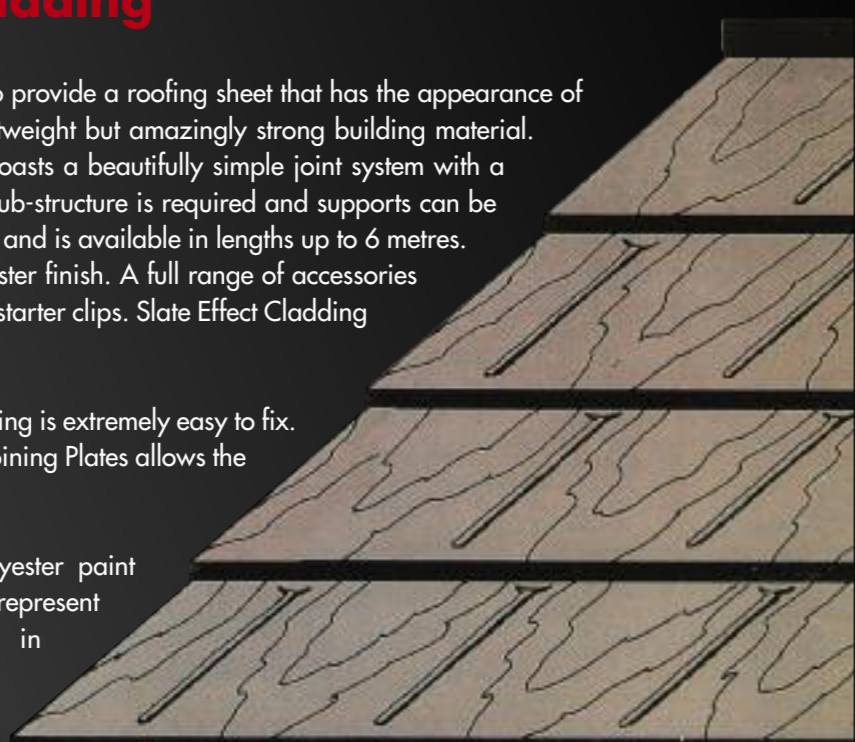
SECRET FIXING

No special fixings are required, but care must be taken not to compress the scroll. Each length is fixed at up to 1000mm centres and is covered by the length above it.



GUSCLAD LOCKING SYSTEM

Gusclad's unique Lap Locking System. Once locked into position, this ingenious design provides a weather tight joint whilst also allowing repositioning.



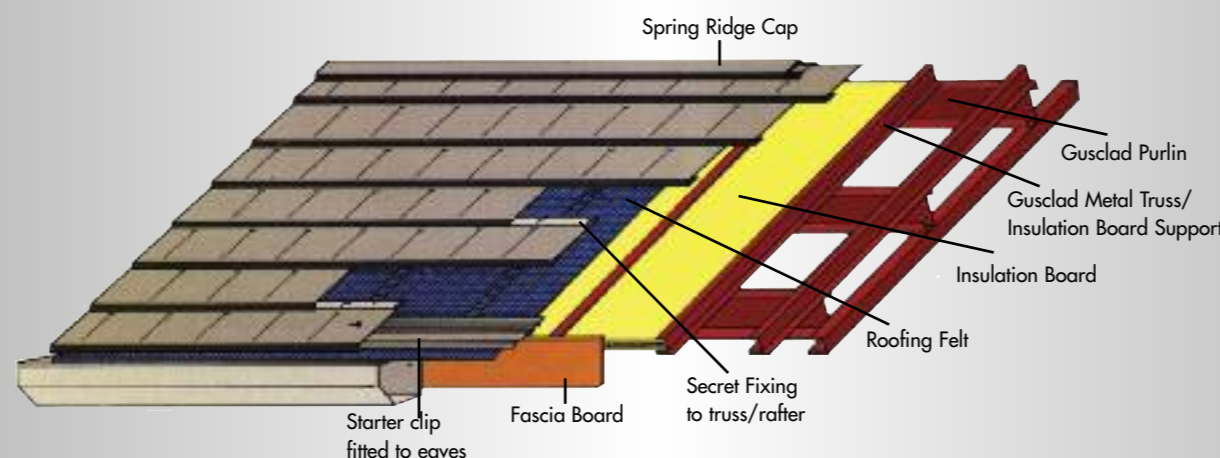
Laying Procedure

Slate Effect Cladding is available in 6 meter standard lengths. Using a combination of these, together with the joining plate, it is possible to clad any length and shape of roof. The joining of two lengths does not have to coincide with a truss/rafter as the joined lengths form an extremely rigid joint.

Slate Effect Cladding roofing sheets can be fixed to either timber trusses, traditional rafters or metal purlins. The distance between each fixing point should not exceed 1000mm (800mm being optimum). Gusclad always recommends the use of roofing felt to act as a vapour barrier.

The lengths of Slate Effect Cladding are easily cut using a standard power circular saw, jigsaw or hacksaw.

In order to achieve a "tile hung" effect across the roof, the "tile" pattern has to be staggered to its neighbour. For instance, in this example, length 2 has been cut at half a "tile" pattern (marked A). The off-cut has been repositioned at the other side of the roof to make up the "tile hung" effect, and so on up to the depth of the roof as illustrated. Gusclad Slate effect sheeting can be used on roof pitches from 5 degrees to vertical.



FIXING PROCEDURE

After the insulation board and roofing felt are in place, the Starter Clip lengths are fixed to the truss/rafter at the eaves. The first length of Slate Effect Cladding is then locked into the Starter Clip and secretly fixed on the truss / rafter. When the first length is complete, the second length, the second length is locked into position utilising the unique Gusclad Locking System (see over). Adopting the Recommended Laying procedure as above, the roof is completed and capped with the Spring Ridge Cap.

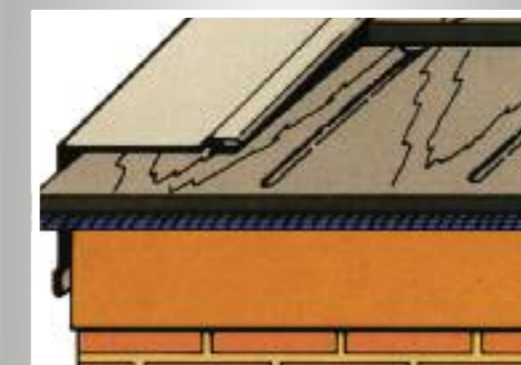
ACCESSORIES

The Slate Effect Cladding Roof System is complemented by a full range of accessories. A leaflet is available describing each item.

LOAD TABLES

Gauge: .7mm
Cover Width: 300mm
Substrate: Hot dipped galv. to BS2989

SPAN CONDITION	DEFLECTION LIMIT	RAFTER SPACINGS					
		900	750	600	1000	1100	1200
LLL	L						
↑↑↑↑↑ downwind	.150	2.44	1.98	1.82	1.53	1.41	0.94
LLL	L						
↑↑↑↑↑ downwind	.250	1.85	1.56	1.33	1.18	0.99	0.67



SLATE EFFECT CLADDING ROOFING SYSTEM

STARTER CLIP

The Starter Clip is designed to accept the full length of Slate Effect Cladding at the eaves. The Slate Effect Cladding is locked onto the Starter Clip and secretly fixed to the truss / rafter.

STARTER CLIP

The use of roofing felt is recommended to act as a vapour barrier.

BARGE FLASHING

Once the roof is completed, a Barge Flashing is positioned to seal off the gable end of the building. The gaps created by the different angles of the Barge Flashing and the Slate Effect Cladding, are in-filled with expanding strip.

WALL FLASHING

A traditional solution to ensure a weather tight finish to a lean-to roof.

The additional of a strip of lead flashing is recommended. The angle of the apron can be set to suit clients' specifications.