

# ALTINIT

## Blue Black Fibre Cement Slates



Altinit slates are a lightweight, high performance fibre cement slate. They have a plain surface and square edges, and are blue black in colour. They are manufactured to the standard EN 492, by Comptoir du Bâtiment in cooperation with Europe's leading fibre cement producer.

Altinit slates are composed of Portland cement, natural and synthetic fibres, additives and water, manufactured using the traditional Hatschek lamination method. The slates are compressed to a monolithic flat product. After a period of curing, the slates are cut and a double coating of paint is applied. The undersides of the slates are treated with a clear acrylic.

### PERFORMANCE AND CHARACTERISTICS

Manufactured to ISO 9001:2000 QMS and to EN 492: 2005; fibre cement slates for roofing, product specification and test method. Comptoir du Bâtiment offers a 30 year structural guarantee and a 10 year colour guarantee. Full details of this guarantee are given overleaf.

### HANDLING & WORKING PRECAUTIONS

Precautions must be taken to prevent the level of dust released in the air to the minimum reasonable practicable level. Whenever possible, cutting, sawing and drilling should be carried out in the open air. Avoid breaking the product unnecessarily. Guidance on harmful dusts in the workplace is available from the Health & Safety Authority, Ireland, the Health and Safety Executive, Northern Ireland and UK.

Minimum Pitch	Size (mm)	Min End Lap (mm)	Slates (m <sup>2</sup> )	Batten Gauge	Weight (kg/m <sup>2</sup> )	Area m <sup>2</sup> /1,000 slates	Battens/m <sup>2</sup> (l/m)
25°	600 x 300	110	13.6	245	20.9	73.5	3.95



## Dimensions

Size	600mm x 300mm
Thickness	4mm
Lap (for pitch 25°)	110mm
Gauge of battens	245mm
No. of slates for m <sup>2</sup>	13.6
Weight of slates as laid kg/m <sup>2</sup>	20.9
No. of slates per pallet	1,080
Weight per pallet	1,630kg

## Colour

Altinit slates are blue black in colour.

## Visual Weathering

In common with all building materials used externally, the appearance of Altinit slates changes with time. The ultra-violet content in sunlight degrades the surface coating, which may result in a loss of sheen and colour fading. Because of possible tonal variation, the traditional practice of mixing slates should be adhered to when fixing.

## Storage

Care must be taken to avoid efflorescence staining which is caused when stacks are allowed to become wet. Slates should always be stored on a dry level surface, inside a dry building and away from openings where they can be reached by driven rain. If stacked outside for short periods, they should be completely covered with a tarpaulin while allowing air to freely circulate around and through the stacks.

## Cutting and Drilling

Altinit slates should not be cut with a saw.

Where small slates are required, the surface should be scored with a sharp steel edge and snapped to the required size.

Do not cut slates to a width of less than 150mm. Additional fixing holes should be drilled using a 4.5mm standard drill bit. Holes should not be punched.

Altinit slates are available in doubles in 600mm x 600mm, which can be used to avoid the use of small slates at valleys, hips, abutments and other relevant areas.

## Ventilation

Adequate ventilation is required for all slated roofs. Ventilation provides the following benefits:

- prolonged aesthetic appearance
- avoidance of condensation, resulting in superior insulation performance
- long term protection of roof sub-structure

## Minimum Pitch

The recommended minimum roof pitch for Altinit Slates is 25° on maximum rafter length of 6m measured on plan.

## Fixings

The slates should be laid in accordance with the Irish code of practice for slating and tiling SR82 'Irish code of practice for slating and tiling' and BS5534 'British code of practice for slating and tiling'. Altinit slates are easily workable with normal slater's tools. Each slate should be fixed with two 30mm copper nails and one copper disc rivet through the pre-holed positions. The slates should never be nailed too tightly. A 4mm (approx) gap should be left between adjoining slates.

## Guarantee

Comptoir du Bâtiment guarantee their Altinit slates against delamination or decay for a period of 30 years from their date of installation, when fixed in accordance with their recommendations and the current codes of practice for slating of roofs. Any slates deemed to be defective, will be replaced free of charge, carriage paid to site. Notice of any fault is required in writing within one month of occurrence. The guarantee does not cover defects caused or contributed to by faulty handling, storage or installation. The colour pigment is guaranteed to remain apparent for 10 years. Fading can result from natural ageing and weathering. Under certain climatic conditions minor flexing can be seen on the exposed edges. This does not affect the structural or weather proof performance of the Altinit slates.