

CELIBRIT

Natural Slate

Glendyne



Glendyne



Glendyne - Cembrit's leading natural slate brand

Glendyne is classified as W1, T1 S1 to BS EN 12326-1:2014. Slate and stone for discontinuous roofing and external cladding. Specifications for slate and carbonate slate.

Commercial quarrying of Glendyne commenced in the 1990's and since then Cembrit and Glendyne have developed a long standing relationship. Cembrit's experience in natural slate supported Glendyne with industry know-how and early commitment to offer insight in what would be required from a top quality natural slate. Glendyne repaid this with formats designed for the UK market and exclusivity. Glendyne is only available in the UK from Cembrit Ltd.

Glendyne - High yields lead to competitive pricing

The area where Glendyne is quarried offers advantages over longer standing sources. The relatively easily accessible rock means that yields are higher and output is more consistent than in most other slate regions.

Being a relatively new source Glendyne can take advantage of the latest technologies whilst applying the most successful traditions and expertise from established slate regions. Glendyne is sold to the world's discerning slate markets. Some markets, notably France and Belgium still retain special requirements. Glendyne exceeds all the requirements of these additional standards.

Description	Pre-holed natural slate with consistent high quality physical characteristics			
Appearance	Blue grey colour with consistent fine surface texture			
Thickness	4-5mm	5-6mm	5-6mm	5-6mm
Dimensions mm	508x254	508x254	508x305	610x305
Typical quantity per crate	850	750	730	600
Average weight per slate Kg	1.45	1.74	2.09	2.65
Approximate weight per crate Kg	1357	1197	1390	1350
Slates per m ²	19.20	19.20	16.81	12.81
Weight Kg per m ²	27.84	33.41	35.1	33.95
Accreditation	BS EN 12326, NF 228-LO3, ASTM C404-06, Belgian STS			
Minimum roof pitch				
Moderately exposed location	25°**	25°**	20°*	25°**
Severely exposed location	30°**	30°**	22.5°*	30°**

*at 118mm head lap **at 98mm head lap



The geological map of the Glendyne area shows various geological units, faults, and structural features. The map includes a legend for geological units (e.g., Alluvium, Sandstone, Shale, etc.), a scale bar, and a north arrow. The map is titled "Glendyne" and "Geological Map of the Glendyne Area".

Glendyne place great emphasis on geological surveying, testing and analysis to identify the most economical strata before extraction even commences.



Following primary and secondary sawing the slabs are sent to the "craftsmen," the splitters whose judgement and dexterity is employed to assess each split by feel and sight optimising slate yield. Slates are bevelled, holed if necessary and then inspected and graded for thickness, surface texture and flatness before being packed into pallets for shipment.



The focus on quality management, application of the latest techniques and an experienced workforce, where approximately 1/3 are involved in sorting and quality checking, creates a top-quality product. Cembrit is proud to state that Glendyne is only available in first quality grade.

Natural slate for roofing

The unique qualities of rock created over millions of years by intense compression and heat make slate an ideal roof covering. Able to be split into regular thin layers, with built in rain, light, chemical and weather resistance, good quality slate will protect your property for a lifetime.



The variation in texture and shade from slate to slate is one reason why natural slate is chosen over man made alternatives. Glendyne natural slate adds a look of traditional permanence to the finished project.



Environmentally friendly roof covering

The raw material is quarried rock cut into blocks, energy input is low. The blocks are then split into slates, usually by hand. No high energy processing of raw materials occurs in slate production unlike concrete, clay, cement based or metallic roof-coverings. Good quality natural slate will last 100-150 years. Any energy absorbed in production is dispersed over a long working life. The best quality natural slate is often salvaged and re-used extending its life still further!



Grading and sorting

One of the attractions of authentic slate is the randomness of the natural stone. Every slate is unique, so to get the best finished appearance natural slates should be sorted into batches of equal thickness, by the slater, before installation. That will ensure a neat, regular, flat roofslope.

Accreditations



Product compliance
All cembrit slates comply with Construction Products Regulations and the corresponding declared performance.



Specification support
Specifications are available in text and BIM format for various Cembrit slates within these nationally recognised platforms.



Design detailing support
DWG and PDF detail drawings are available for various Cembrit slates.

Approved for use in
Snowdonia National
Park



Natural slate specification
Cembrit Glendyne natural slates comply with the requirements of BS EN 12326-1:2014.

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