

Welsh Slate



Penrhyn Quarry, Bethesda, Bangor, United Kingdom, LL57 4YG
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CPD Overview

Welsh Slate is the world's leading supplier of high-quality slate for a range of exterior and interior design applications. Over 500 million years old, the material is widely recognised as the finest natural slate in the world.

Welsh quarries have been supplying the world with the highest quality slate for hundreds of years. Welsh Slate own and operate the famous Penrhyn, Ffestiniog and Cwt-y-Bugail quarries in North Wales.

Natural Welsh slate is sustainable with a life expectancy of well over 100 years and can withstand the most extreme environmental and weather conditions. Combine this with its unique natural beauty, makes Welsh Slate the material of choice for an extensive range of diverse applications from roofing to hard landscaping.

It is the heritage and durability which sets Welsh Slate apart, this is derived from its density and the unique geological formation found exclusively in North Wales.

Welsh Slate manufactures under an accredited Quality Assurance Scheme which complies with BS EN ISO 9001:2015. Roofing products are also kite-marked to BS EN 12326-1:2014.

There is no other roofing material which has demonstrated the extraordinary durability of Welsh Slate. With over 100 years of useful life, Welsh Slate is a very cost effective and sustainable material.

Features & Benefits



Available CPD Material (2)



Tour of Slate Quarry at Bethesda, Gwynedd

This tour of the Penrhyn Quarry at Bethesda, Gwynedd will take in the old workings at the North Quarry and current workings at the South Quarry. It will show the slate quarrying process and help you to understand the following topics:

- The history of slate extraction and quarry development issues
- Working practices and equipment used including block selection, sawing, hand and mechanical splitting, dressing and packing and storage. Plus opportunity for hands on slate splitting experience
- Quality checking procedures and audit trail
- Products produced including roofing products and aggregates

The tour is by invitation only, it lasts approximately 2 hours and is limited to 8 people. Protective clothing and equipment will be provided, some areas will have uneven surfaces which may limit access. Attendees can be collected from Bangor Railway Station which is 20 mins away. Overnight accommodation at a bed and breakfast can be arranged.

Material type:

Factory Visit

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness



Welsh Slate as a Building Material

This seminar aims to provide an understanding of the quality criteria required to specify natural slate as well as practical advice on design.

Material type:

Seminar

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness

Classifications

Subject/Product Areas (CI/SfB)

Structure

External walls > Copings, cappings

Lintels, sills, weatherbars, other window/door parts > Sills and thresholds

Finishes

Finishes > Ceramic and stone panels, tiles

Wall finishes: external > Wall cladding panels

Wall finishes: external > Wall cladding tiles

Wall finishes: internal > Ceramic, glass, stone, brick internal wall finishes

Floor finishes: rigid tiles, slabs, mosaic > Tile and slab flooring

Roof finishes > Overlap roof tiles

Fittings

Catering services and kitchen units > Domestic fitted kitchen units

External works

Landscaping, hard surfaces, pools > Paving

General products

Blocks and bricks > Stone blocks

Overlap sheets and tiles > Overlap tiles, slates and shingles

Stone > Stone, quarried, stonemasons, restoration

Special activities, requirements

Green applications, resources; sustainability > Natural floor coverings

RIBA Core Curriculum areas

Design, construction and technology

Knowledge level: *General Awareness*