

BRITISH ROOFING SLATE

WESTMORLAND GREEN • BURLINGTON BLUE/GREY



**BURLINGTON
STONE**

EST 1843



BURLINGTON STONE

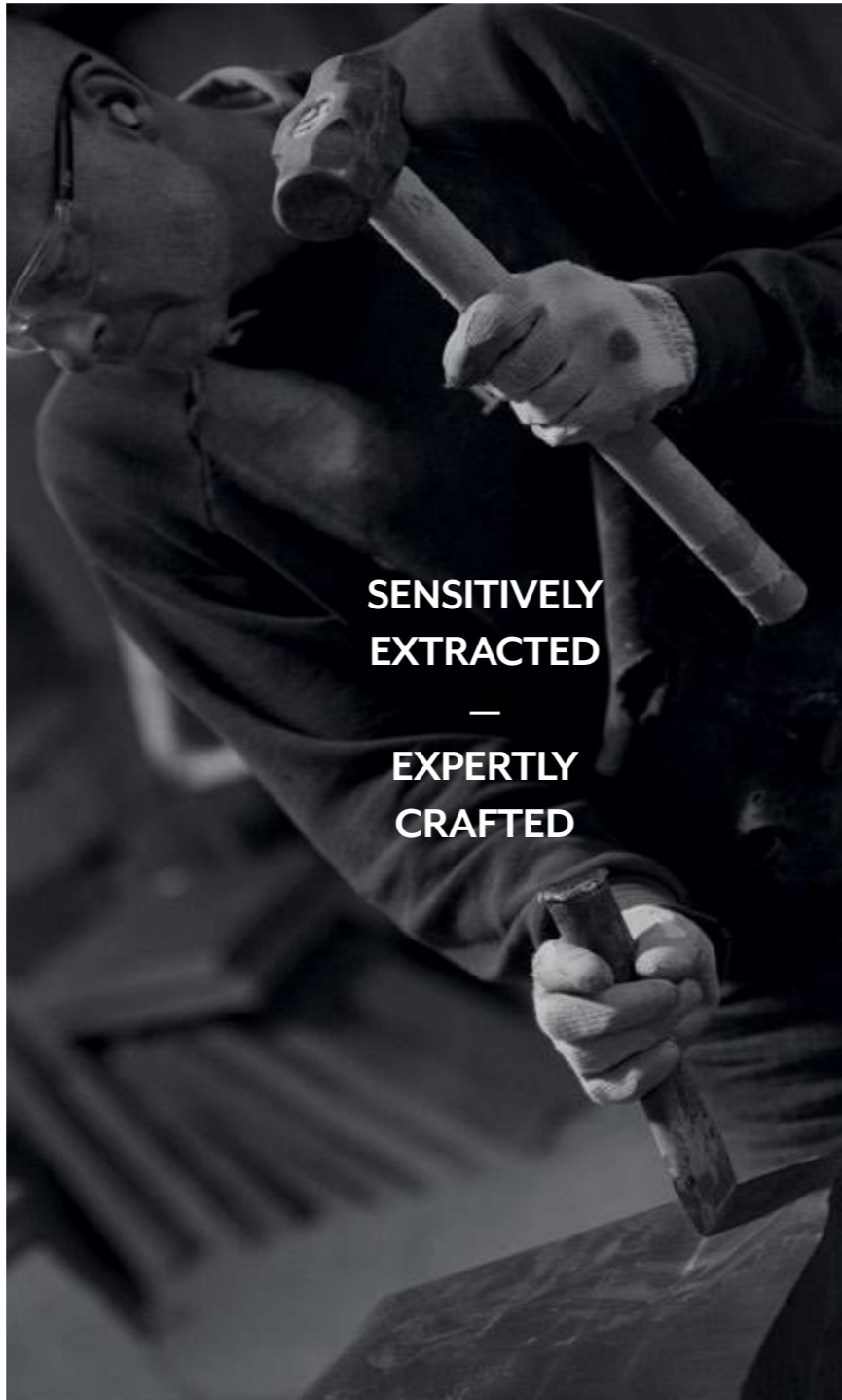
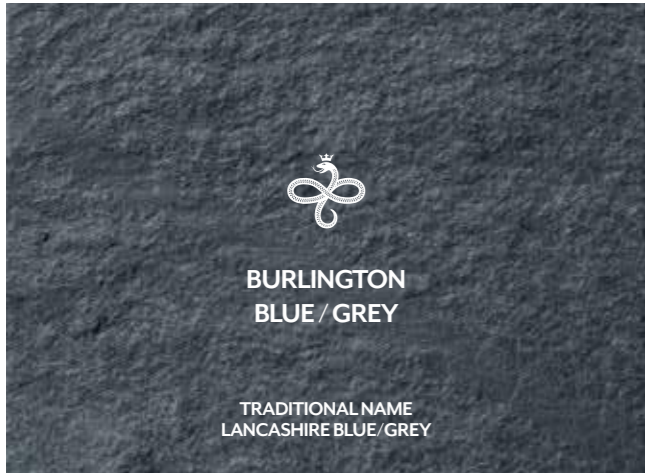
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First worked by the Romans and then the Normans, the Cumbrian slate quarries have been a major source of roofing slate production in the UK since the 1600's. Founded in 1843, Burlington Stone are the last guardians of this ancient industry.

Burlington's blue/grey and Westmorland Green roofing slates adorn the skyline of Britain's cities and rural areas alike and due to their quality, durability and longevity, offer a lifetime of service to the buildings they cover, demonstrated by an ancient pedigree of proven performance that is unrivalled in the harsh UK climate.

Natural History Museum, London - Burlington blue/grey slates incorporating Westmorland green slate feature bands

Cover: Tower Bridge, London - Westmorland green slates



Burlington slates are sympathetically extracted from our quarries in Cumbria and the Lake District using highly skilled traditional craftsmen with experience passed down through the generations, with the addition of modern quarrying and production techniques to ensure environmental efficiency.

Three different slates are produced from these quarries; a blue/grey slate (today called Burlington blue/grey, its traditional name was 'Lancashire blue/grey', dating back to the quarries beginnings in the 16th century when Kirkby quarry was located in Lancashire, prior to the formation of the county of Cumbria in 1974), and two Westmorland green slates – riven and calibrated.

Our slates are produced in three different formats:

- Randoms
- Sized
- Patterns

Historically produced in random lengths and widths and laid in diminishing courses with the largest slates used at the eaves and gradually smaller sizes laid working up to the ridge, the random format gives a pleasing and distinctive visual perspective to the roof. The production of slates in diminishing courses was an early form of environmental sustainability with the manufacture of random slates ensuring the efficient use of varied size blocks of raw material, and this approach is still undertaken today.

Slates can also be supplied in a sized format (fixed lengths with random widths) which produces a constant course height while retaining a nod to the tradition of random slating with varying widths along the course, speeding up the laying process and keeping the cost of installation down. With both random and sized slating formats there is no need for costly slate and half slates for verges, hips, valleys and abutments.

For a regular half bond pattern to the roof, slates are available with a fixed length and fixed width.

BURLINGTON SLATE — THE ENVIRONMENTAL CHOICE



Quarried in Cumbria and the Lake District, our slates provide 'local' British roofing slates for use on British projects, ensuring environmental efficiency and avoiding the high and environmentally damaging 'slate miles' incurred by using imported slates.

Burlington slate is inherently environmentally efficient. The natural cleavage in the slate, formed by the metamorphic processes it has undergone, dominates the original bedding and we work the stone using these cleavage planes provided by nature. Cleavage is used both to extract block from the quarry face, minimising the amount of sawing and blasting required, and to split ('rive') the stone for roofing slate, minimising the need for sawing and machining. All of our slate is produced by hand riving and, unlike quarries who use mechanised riving techniques that can't 'read' the stone, there is minimal wastage from this hand worked process; it truly is a low carbon natural material.

The production of random sized roofing slates, for laying in traditional diminishing courses, makes efficient use of all of the varied sized block that is won from the quarry face, helping towards 100% use of the quarried stone. This increases yields which reduces the volumes required to be extracted, minimising environmental impact and extending the life of the quarry.

As a result of its geology, Burlington slate is incredibly robust, hard wearing and extremely long lasting, and the use of a natural slate that will last the lifetime of the building it serves is sound environmental practice. Burlington roofing slates are of such high quality they are very commonly re-used after timber roof construction or fixings fail and roofs need to be re-slatted, or where buildings are repurposed. In these scenarios the existing slates can be stripped, re-dressed and re-used, further enshrining their status as some of the most environmentally appropriate natural materials in the world.

We hold ISO 14001 environmental accreditation and aim to utilise 100% of the rock extracted from our quarry operations through the extensive recycling of all waste elements, important for BREEAM and LEED certification in building construction.

In addition to the natural environmental benefits inherent in Burlington slate, we utilise solar electricity generation to minimise the use of carbon generating processes.

REASONS TO USE BURLINGTON'S BRITISH NATURAL ROOFING SLATES



1. Burlington Slate is one of the finest most durable natural materials in the world and covers the roofs of many of the most iconic historic buildings across the UK.
2. The technical characteristics of Burlington slate ensure a life span of over 150 years, providing a long term sustainable solution.
3. Burlington's slate roofing products adhere to and surpass the European quality standard BS EN 12326, achieving the highest possible classification in each of the key categories: Water Absorption ($WI \leq 0.6\%$), Thermal Cycle Resistance (TI) and Sulfur Dioxide Exposure (SI). These test results are a key indication of reliability, however, even more importantly, Burlington Slate demonstrates its quality by an ancient pedigree of proven performance that is unrivalled in the harsh UK climate.
4. No part of a building is more exposed to the destructive forces of nature than the roof and, as such, it is a critical component of the building envelope from both a technical and aesthetic perspective. Burlington Slates are: Naturally Strong, Naturally Weatherproof and Naturally Beautiful.
5. Burlington Slate Limited was established in 1843 and is a British business with long traditions and values, where quality control and effective management and use of the natural slate reserves are important corporate goals.
6. The use of 'local' British slates on British projects ensures environmental efficiency and avoids the high and environmentally damaging 'slate miles' encountered by using imported slates on projects in the UK.
7. The company is certified to ISO 14001 environmental accreditation and aims to utilise 100% of the rock extracted from its quarry operations through the extensive recycling of all waste elements, important for BREEAM and LEED certification in building construction.
8. Burlington works closely with the BRE and The National Parks Authority to embrace best practice in environmental management.
9. Burlington is certified to ISO 9001 quality accreditation and our roofing slates conform with new CE Marking legislation, which ensures that every slate must have a Certificate of Origin and up to date technical test data. This provides protection for both the contractor and the customer that the material is fit for purpose.



TIMELESS
—
PRESTIGIOUS

Burlington slates have been used on a range of projects where clients and architects have sought a material that is both functional and beautiful, whether it be for cathedrals or cottages, castles or crofts.

The White House, Isle of Coll – Burlington blue/grey slates



St Pancras Chambers, London – Westmorland green slates



Pitcapple Castle, Inverurie – Burlington blue/grey slates



Blenheim Palace, Oxfordshire – Westmorland green slates



Stanmer House, Brighton – Westmorland green slates



Somerset House, London – Westmorland green slates



Ickworth House, Bury St Edmunds – Westmorland green slates



Cuithir (low cost housing), Isle of Barra – Burlington blue/grey slates



Easter Dullater, Inverrossachs – Burlington blue/grey slates



Kilchoan Estate, Lochmelford – Burlington blue/grey slates



Tower Bridge, London – Westmorland green slates



Rampholme, Bowness on Windemere – Westmorland green slates



Morley House, London – Westmorland green slates



Alwoodley Golf Club, Leeds – Burlington blue/grey slates



Warrender Park, University of Edinburgh – Westmorland green slates



Leny House, Callander – Burlington blue/grey slates



The White House, Isle of Coll – Burlington blue/grey slates



Stirling Castle – Burlington blue/grey slates



Camden Town Hall, London – Westmorland green slates



Stobhall Castle, Perthshire – Burlington blue/grey slates



Valhalla, Strathblane – Burlington blue/grey slates



Exbury House, Hampshire – Westmorland green slates



Coachman's House – Burlington blue/grey slates



The Cart Barn, Roshven – Burlington blue/grey slates



Ickworth House, Bury St Edmunds – Westmorland green slates



Corfe Castle Church, Dorset – Westmorland green slates



The Old Admiralty Building, London – Westmorland green slates



Loch Lomond & Trossachs National Park HQ, Balloch – Burlington blue/grey slates



St Mary's Cathedral, Edinburgh – Westmorland green slates



Ickworth House, Bury St Edmunds – Westmorland green slates



Shetland Museum & Archive Building, Lerwick – Burlington blue/grey slates



National Trust for Scotland Campsite, Glencoe – Burlington blue/grey slates



Keepers Cottage, Ardtornish Estate, Morvern – Burlington blue/grey slates



St Pancras Chambers, London – Westmorland green slates



Abbeystead Estate, Lancashire – Burlington blue/grey slates



Buccleuch Estates, Dumfriesshire – Burlington blue/grey slates



Abbeystead Estate, Lancashire – Burlington blue/grey slates



Wentworth Woodhouse, South Yorkshire – Westmorland green slates (Donald Insall Associates)



The Walled Garden, Home Eden Abbey – Burlington blue/grey slates



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Certificate No: 424432023

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