



C O R N I S H

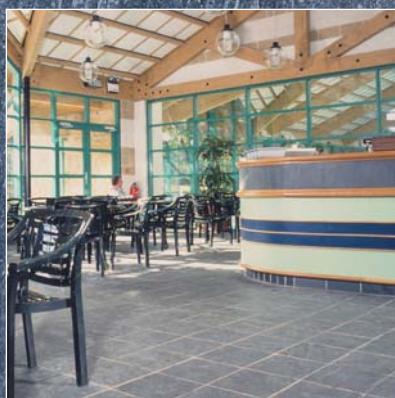
DELABOLESLATE

The Natural Choice

six centuries of quality craftsmanship



The Delabole Slate Company



**floor and
wall tiles**

HANDCRAFTED FROM DELABOLE SLATE

web:

Delabole Slate is a Cornish Company
www.delaboleslate.co.uk

HANDCRAFTED FROM DELABOLE SLATE

floor & wall tiles

TRADITIONAL CRAFTSMANSHIP

Although the very latest technology and mechanical sawing is utilised, experienced craftsmen still continue to split tiles in the traditional Cornish way. Using a bottle and chisel, each tile is individually hand-split along the 'grain' of the stone, exposing its natural texture. Slate tiles split in this way are described as 'riven'.

VERSATILE

Delabole Slate produce tiles in a range of standard sizes to suit a variety of applications, from large expanses of commercial flooring to small domestic conservatories and fireplace surrounds. Other



specialist uses i.e. cladding and custom-designed flooring can also be supplied. Large stocks are normally held to provide quickly for the demands of current projects.

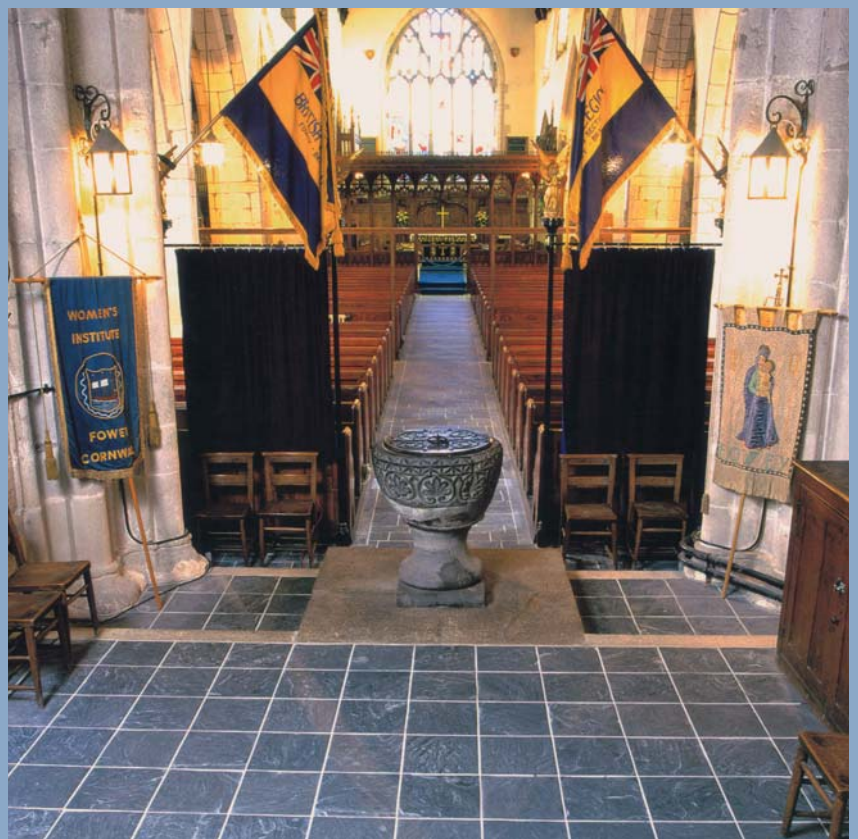
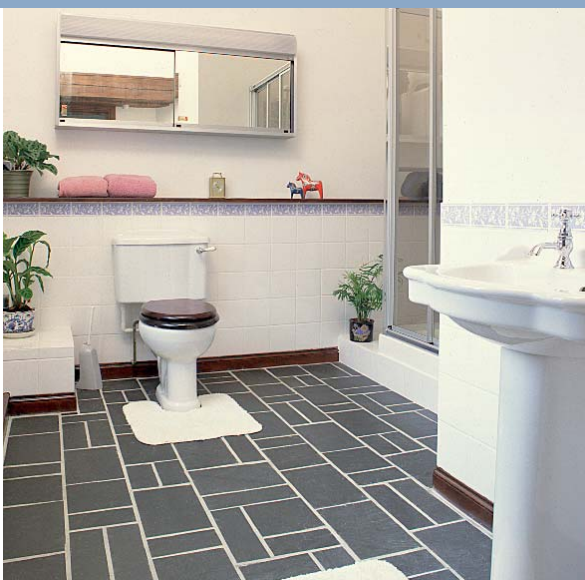
Slate tiles are easy to lay, and can actually save time and money by being laid directly onto finished screed floors.

◀ Goldenstones Leisure Centre, Yeovil (305 x 305mm Riven Tiles).

PACKED PAVING

Delaslate Packed Paving is an attractive and ingenious means of creating different flooring patterns. Each box contains 21 tiles covering one square yard when laid with 9mm joints. Tiles are supplied in 4 sizes, ranging from 7 $\frac{1}{2}$ " (194mm) x 11 $\frac{1}{8}$ " (295mm) to 3 $\frac{3}{8}$ " (92mm) x 7 $\frac{1}{2}$ " (194mm) with a nominal thickness of $\frac{3}{8}$ " (10mm). A full explanatory leaflet is available for further information.

▼ Packed Paving



▲ 305 x 305mm Riven Tiles, at St. Fimbarrus Church, Fowey, Cornwall.

Applications for these high quality flooring tiles are both numerous and varied. Used for centuries in domestic kitchens, hallways and living rooms, these durable slate tiles have undoubtedly 'stood the test of time'. Architects have specified Delabole Slate tiles for a number of commercial projects where product reliability has been of primary importance: museums, shopping centres, restaurants, sports clubs, swimming pool surrounds and reception areas are amongst an array of recently completed jobs.

Honed (Fine rubbed) tiles, sawn in 24" x 18", 16" x 16" or 12" x 12" x 10mm, offer a sophisticated finish. Also available in 'frame sawn' finish for a more natural look.

applications



◀ Goldenstones Leisure Centre, Yeovil (Specified by S & P Architects).

Shower cubicle wall tiled with 8" x 4" (200 x 100mm) riven tiles: ▼



Packed Paving at South West Water, Exeter. ▶



RIVEN TILES	DIMENSIONS		WEIGHT per box	COVERAGE per box		NO. OF TILES per box			
	Metric	Imperial		Metric	Imperial				
	406 x 406 x 12mm	16" x 16" x ½"	not boxed	not boxed	not boxed				
	406 x 203 x 12mm	16" x 8" x ½"	approx. 30kgs	0.84 square metres	1 square yard				
	305 x 305 x 12mm	12" x 12" x ½"	approx. 30kgs	0.84 square metres	1 square yard				
	305 x 152 x 12mm	12" x 6" x ½"	approx. 30kgs	0.84 square metres	1 square yard				
	152 x 152 x 12mm	6" x 6" x ½"	approx. 30kgs	0.84 square metres	1 square yard				
	200 x 100 x 6mm	8" x 4" x ¼"	approx. 8kgs	0.42 square metres	½ square yard				
Packed Paving (various standard sizes per box)			approx. 23kgs	0.84 square metres	1 square yard	21			
FRAME SAWN TILES	DIMENSIONS		WEIGHT		HONED TILES (Fine Rubbed)	DIMENSIONS		WEIGHT	
	Metric	Imperial	per m²	per yard²		Metric	Imperial	per m²	per yard²
	610 x 457 x 10mm	24" x 18" x ¾"	approx. 30kgs	approx. 25kgs		610 x 457 x 10mm	24" x 18" x ¾"	approx. 30kgs	approx. 25kgs
	406 x 406 x 10mm	16" x 16" x ¾"	approx. 30kgs	approx. 25kgs		406 x 406 x 10mm	16" x 16" x ¾"	approx. 30kgs	approx. 25kgs
	305 x 305 x 10mm	12" x 12" x ¾"	approx. 30kgs	approx. 25kgs		305 x 305 x 10mm	12" x 12" x ¾"	approx. 30kgs	approx. 25kgs

performance

GENERAL

Slate from the Delabole Quarry is universally acknowledged for its outstanding durability. Delabole Slate Tiles are hard-wearing, non-combustible, resistant to sulphuric acid, atmospheric pollution, frost, normal heat and rapid temperature changes. The excellent compressive strength of Delabole Slate floor tiles enables confident use in 'high traffic pedestrian areas'.

WATER

Delabole Slate is practically impermeable, having a water absorption value of less than 0.1% by weight. The slate does not delaminate or flake when subjected to soaking and drying cycles.

TEST RESULTS

In accordance with ASTM standards, as conducted by Harry Stanger Ltd, Elstree, and Frank Saynor & Associates, Edinburg.

Compressive Strength	118.0 N/mm ²
Modulus of Rupture	71.0 N/mm ²
Water Absorption	<0.1% by weight
Weather Resistance (depth of softening)	0.025 mm
Specific Gravity	2.819

Tests in accordance with the 'Italian Marble Technical Guide'.
(as tested by Harry Stanger Ltd. and Frank Saynor & Associates).

Compression Breaking Load	156.0 MPa
Compression Breaking Load (after freezing)	144.7 MPa
Imbibition Coefficient	0.144%
Ultimate Tensile Strength	248.75 kg/cm ²
Impact Test	115 cm
Thermal Linear Expansion	0.0075 mm/m°C
Frictional Wear Test	2.69 m ³ x 10 ⁻⁸ per Nm
Weight per unit of volume	2819.0 kg/m ³
Elasticity Modulus	11.175 x 10 ³ kg/cm ²
Knoop Microhardness	278 kg/mm ²

In accordance with BS: 5642 Part 2, BRE Digest 269, 'The Selection of Natural Building stone (as tested by Frank Saynor & Associates).

Acid Immersion Test (BS 5642) Type A slate
Wetting & Drying Test (BS 5642) No signs of delamination or splitting along the edges, or of substantial flaking on the surface.

Crystallisation Test (BRE Digest 269)
No signs of failure after 15 cycle tests, and negligible weight loss.

Tested by the GLC ref: Bulletin No 134 (2nd series) Item No 4 'Natural Slates for Flooring', as tested by the Greater London Council Department of Architecture & Civic Design, Delabole slate was classified as:

Slip Resistance Satisfactory

specification

COLOUR

The natural colour of Delabole Slate is a light blue/grey.

FINISHES

Riven - Most Delabole Slate Tiles are split by hand exposing the natural 'riven' texture of the slate.

Honed (Fine Rubbed) - a matt polished tile, fine rubbed to a smooth finish (like an egg-shell to the touch). The polishing will slightly darken the slate, providing a more sophisticated appearance.

Frame sawn - for a smooth but lighter and more natural look.

SIZE

Produced in a range of standard sizes - please refer to the table above.

THICKNESS

Refer to the table above. Because of natural variation in the cleavage of the slate, all thicknesses are nominal and will vary from tile to tile.

SHAPE

All tiles are cut either rectangular or square depending on the size required.

SUPPLY

Delabole Slate Tiles are available direct from The Delabole Slate Company at the address below.

AVAILABILITY

Normally, large stocks of tiles are maintained at Delabole Quarry for the rapid supply of all projects, large and small.

However, demand does fluctuate and we advise that customers check with our Sales Office to confirm the current position.

sitework

FIXING & LAYING

Delabole Slate tiles should be laid in accordance with the recommendations of BS: 5385 rev' Feb 1990. Thoroughly clean the surface within 24 hours of laying, and protect from other trades by polythene sheet or building paper; do not use sawdust, as it can cause staining as well as damage to the joints.

HANDLING & STORAGE

Store tile boxes in waterproof conditions. Handle the tiles with reasonable care to avoid damage to edges and surfaces.

LEISURE INSTALLATIONS

Where water sanitizers are used, coat slates with a bromine resistant sealer or use a non-halide sanitizer.

environment health & safety

Slate is a naturally occurring material that in normal use is both inert and non-polluting.

WASTE DISPOSAL - Unwanted items should be disposed of in accordance with the 'Duty of Care - Control of Waste Regulations', and any local Government requirements.

HAZARDS TO HEALTH - Hazards are generally associated with poor handling and incorrect machining of products. Cuts may be sustained from broken or sharp edges; these should receive the appropriate first aid and medical attention. Dust arising from dry-cutting, drilling or machining can be harmful to health.

PRECAUTIONS - Lifting: Wear suitable gloves or other hand protection. Avoid lifting awkward shaped items alone. Get help where needed.

Machining: Use water saturated machinery methods if possible. Use dust masks of suitable standard if dust occurs. Wear eye protection when using machinery and holing tools.

general

MAINTENANCE - Slate floors require only regular washing with soap and water to retain their appearance. Wax or other floor products may also be used. Delabole Slate supply a range of products associated with the cleaning and protection of slate floors.

- In the event of a chemical spillage, cleaning immediately and washing down with lots of clean water is adequate precaution against damage.

PACKAGING - Reinforced corrugated cardboard boxes.

ASSOCIATED PRODUCTS - Skirting, sills, slab steps and thresholds. Slab flooring and four-sided paving.

SHOWROOM - Examples of slate floor tiles are on display in the Delabole Slate showroom, which is open to the public, Monday - Friday, 8.00am - 4.30pm.

In the continual pursuit of product improvement the company reserves the right to alter specifications without prior notice.

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THE DELABOLE SLATE COMPANY,
Pengelly, Delabole, Cornwall PL33 9AZ.

TEL: (01840) 212242

FAX: (01840) 212948

EMAIL: sales@delaboleslate.co.uk

WEB: www.delaboleslate.co.uk



Managed Forests