



C O R N I S H

DELABOLESLATE

The Natural Choice

six centuries of quality craftsmanship



The Delabole Slate Company



paving

HAND-SPLIT FROM DELABOLE SLATE



web:

Delabole Slate, a Cornish Slate and Cornish Company
www.delaboleslate.co.uk



HAND-SPLIT FROM DELABOLE SLATE

paving

Delabole Slate has been used for paving for many centuries, establishing a reputation for its lasting quality. Blue/grey Paving is manufactured from slate extracted deep in the quarry, giving rise to its high compressive strength and excellent wear resistant properties. These characteristics make it ideally suited for 'high traffic' paving areas.

Traditionally used in the Westcountry for numerous domestic applications, architects and designers throughout the UK have increasingly recognised the commercial benefits of specifying Delabole Slate paving, particularly for those projects where product reliability is of prime importance.

Tests conducted by local councils in the London suburbs have shown that Delabole Slate paving has consistently outperformed other types of paving.

After six months vigorous use, Delabole Slate Paving looked practically new, whilst others have shown significant signs of wear.

COURSED FOUR-SIDED PAVING

By cutting normal Four-Sided Paving to standard widths, coursed paving provides a much more regular appearance, as well as saving money by reducing on-site labour.



APPLICATIONS

Delabole Slate Paving has been frequently used for city centre pedestrian areas, museums, courtyards, and pavements, as well as domestic patios, paths and landscape gardens.





FOUR SIDED PAVING

Four Sided Paving is undoubtedly the most popular Delabole Slate paving product. Sawn on all four sides and available in random sizes from approximately 22" x 11" (560mm x 280mm) to 12" x 6" (305mm x 152mm) it combines the appearance of a naturally 'random' product with the ease of laying.



CRAZY PAVING

Crazy Paving is irregular in shape. It is produced in totally random sizes ranging from approximately 12" - 36" (305mm - 915mm) long by approximately 9" - 24" (225mm - 610mm) wide.

I-3 SIDED PAVING

I-3 Sided Paving is produced with one, two or three sides sawn. It is widely used as edging for paths and patios, and can therefore be usefully combined with standard crazy paving.



RUSTIC PAVING

Rustic crazy paving is a colourful alternative - a variety of autumnal shades are caused by exposure to weathering processes and staining from iron minerals. This material tends to originate much higher in the quarry and is therefore softer and less durable than the blue/grey slate. Rustic is only available in crazy paving form and is ideal for decorative purposes and 'low traffic' areas.

performance

GENERAL

Slate from the Delabole Quarry is universally acknowledged for its outstanding durability. Delabole Slate Paving is hard-wearing, non-combustible, resistant to sulphuric acid, atmospheric pollution, frost, normal heat and temperature changes.

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, Edinburgh.

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 ⁻³ per Nm
Weight per unit of volume	2819.0 kg/m ³
Elasticity Modulus	11.175 x 10 ⁵ 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.

Slip Resistance Samples tested to BS 6717: Part 2: 1993 produced mean results of 66 when tested Dry and 38 when tested Wet.

specification

COLOUR

The natural colour of Delabole Slate is a light blue/grey. Rustic Crazy Paving is also available, which consists of various shades of autumnal colours.

FINISHES

All Delabole Slate Paving is split by hand, exposing the natural 'riven' texture of the slate.

SIZE

Crazy Paving - random.
 Four-Sided Paving - random rectangular.
 Coursed-Four Sided Paving - various set-widths, random lengths.

THICKNESS

All thicknesses are nominal and will vary from 3/4" (20mm) to 1 1/2" (40mm). Any such variation can easily be taken up in the bedding of the slate.

SHAPE

Crazy Paving is completely irregular in shape.
 Four-Sided Paving is produced in random rectangular sizes, although it should be noted that not all angles are cut absolutely square.

Coursed Four-Sided Paving is cut to standard widths and supplied with random lengths - again, not all angles are absolutely square.

Customers should remember that all Delabole Slate Paving is supplied in 'random' sizes. No guarantee can be given as to what sizes and shapes are provided. Where this is important, customers are advised to visit the quarry and select their own pallets/pieces.

SUPPLY

Delabole Slate Paving is available direct from The Delabole Slate Company at the address below.

AVAILABILITY

Normally, large stocks of paving 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.

COVERAGE

All paving products are sold by weight. See current Delabole Slate Price List for approximate coverage rates.

sitework

FIXING

Delabole Slate is best laid into a standard mortar mix of 3:1 sand and cement. Joints can be grouted (if required) subsequent to laying. Some customers prefer to lay paving merely on a sand base.

Diamond tipped tools, such as a portable circular saw or an angle grinder, can be used for on-site cutting.

It is important that any cement residue be cleaned off the paving at the time of laying.

LEISURE INSTALLATIONS

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

HANDLING & STORAGE

Handle with reasonable care to avoid surface shaling and damage to edges.

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. For further advice contact the number below.

general

MAINTAINANCE - Once laid, Delabole Slate paving will, under normal circumstances, be maintenance free. Any slipperiness is likely to be caused by organic growth, which should be removed using a suitable cleaner.

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

COMPLIMENTARY PRODUCTS - External window sills, slate walling stone, coping

DELIVERY - Delabole Slate can arrange delivery to any destination as necessary.

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

Note; 'rustic' paving may not necessarily originate from the Delabole Slate Quarry.

C O R N I S H

DELABOLESLATE

The Natural Choice

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