



DELABOLE
SLATE



DELABOLE SLATE

The Natural Choice

eight centuries of Cornish craftsmanship



The Delabole Slate Company



blue/grey sawn faced

natural quarry faced

rustic

building stone

FROM THE WORLD RENOWNED
DELABOLE SLATE QUARRY

web: www.delaboleslate.co.uk

Delabole Slate is a family owned Cornish Company



TOWN QUAY
Nos. 1 to 9



▲ Blue/Grey Sawn Faced



▲ Natural Blue/Grey Quarry Faced and Rustic

NATURALLY ATTRACTIVE BUILDING STONE



▲ Blue/Grey Sawn Faced

ATTRACTIVE

Delabole building stone adds character and distinction to any building. The subtle, natural colours complement any architectural style.

VERSATILE

Easily trimmed to size and shaped on site, using hand tools or small diamond saw. The applications are endless, being limited only by the designer's imagination: wall facings, chimneys, barbecues, garages, pillars, garden walls and steps are just some of the ways in which Delabole building stone has been used.

STRONG

Our building stones are extremely durable, with impressive wear resistance and weathering characteristics. Being extracted from 150 feet or more below ground makes them ideal for all external and internal projects.

MAINTENANCE FREE

Walls built with Delabole building stone are virtually maintenance free. Just wash down occasionally if required.

ECONOMICAL

Build and forget. No more painting every few years!



▲ Blue/Grey Sawn Faced

DELABOLE BUILDING STONE IS AVAILABLE IN

Blue/Grey Sawn Faced...

Light blue/grey in colour and sawn on both faces to a standard bed size of 4" (100mm). Other bed sizes can be cut to order. Sawn faces are relatively smooth with occasional saw marks. All stone is split and cropped to random face height and length. Also available sawn one or both ends to order.

Blue/Grey Quarry Faced...

Predominantly dark blue/grey in colour with attractive natural variations from sparkly quartz to autumnal brown tinges. Quarry Faced is made by sawing the natural joint faces from stone extracted deep down in the quarry. Cut to a standard bed size of 4" (100mm) but other bed sizes can be made to order. All stone is natural faced just as it comes from the quarry, random in face height and length with some natural and some sawn ends.

Rustic...

Predominantly autumnal shades of brown in colour with attractive natural variations from sparkly quartz to dark blue/grey. Rustic is sawn from the natural joint faces that have been stained over the centuries by other elements and minerals such as iron and manganese. Cut to a standard bed size of 4" (100mm) but other bed sizes can be made to order. All stone is natural faced just as it comes from the quarry, random in face height and length with some natural and some sawn ends.

Also available sawn both ends to order.



SUPPLY

4" (100mm) on bed stone is normally held in stock but any bed size can be cut to order.



▲ Rustic



building stone

performance

GENERAL

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

WATER

Delabole Slate is practically impermeable, having an average 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 FOR BLUE/GREY PRODUCTS

In accordance with ASTM standards, as conducted by Harry Stanger Ltd, Elstree, and Frank Saynor and 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 ⁻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

When tested for durability according to BRE Digest 269 'The Selection of Natural Building Stone' and B.S 5642 Part 2 1983 'Specification for Copings of Pre-Cast Concrete, Cast Stone, Clay Ware, Slate and Natural Stone' the following results were obtained:

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.	

Please note that a 'U' value is used to express a material's thermal transmittance, and it is usual to apply this term to a composite material, such as a wall. Where a given wall fails to meet the required 'U' value, it is usual to increase the thickness of the insulation material as necessary.

specification

BLUE/GREY SAWN FACED

Light blue/grey in colour and sawn on both faces. Relatively smooth face with occasional saw marks. Random face height and length. No cut ends.

BLUE/GREY QUARRY FACED

Natural faced stone as it comes from the quarry. Predominantly dark blue /grey with attractive variations from quartz and brown tinges. Random face height and length. Some natural and some cut ends.

RUSTIC

Natural stained face stone as it comes from the quarry. Predominantly autumnal shades of brown with attractive variations of quartz and blue / grey of background stone. Random face height and length. Some natural and some cut ends.

QUOINS

Stone cut one end roughly square for corners and edges.

DOUBLE QUOINS

Stone cut both ends roughly square for soldier courses or building more uniform walls.

BED SIZE

Normally made and stocked in 4" on bed. Also made to order in 5" and 6" on bed or any size to suit project.

SPECIAL PROJECTS

Stone can be cut, split or cropped to rough sizes at extra charge.

COVER

1 tonne of 4" bed stone covers approximately 4.8 sq. yards or 4 sq. metres of wall face.

sitework

WORKING

Building stone can easily be reduced to any required thickness by splitting along the natural cleavage with a mason's bolster chisel and hammer, and can be trimmed to length with the same tools or a small diamond saw. Visitors to the Delabole quarry are welcome to ask for a demonstration.

LAYING

Building stone should be laid following the general recommendations of BS CP 121: Part 1: 1973 brick and Block Masonry, and BS CP 111: 1970 Structural Recommendations for Load Bearing Walls.

Use fairly dry 1:3 cement sand mortar kept back from the front edge. Bed the top of each block level.

The final appearance is enhanced if the joints are recessed 3mm (1/8"). Remove surplus mortar from the face of the blocks with a damp sponge as the work proceeds.

environment
health & safety

ENVIRONMENT – 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. Prolonged exposure to dust arising from dry-cutting, drilling or machining can be harmful to health.

PRECAUTIONS – 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 – Practically no maintenance required.

ASSOCIATED PRODUCTS – Slate slabs for shelves, window sills, hearths, steps, and blue/grey crazy paving.

DELIVERY – Building stone is delivered on pallets to the kerbside or nearest accessible hard standing.

SHOWROOM – Various applications are on display in our showroom, which is open to the public, Monday - Friday, 9.00a.m - 4.30p.m.

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