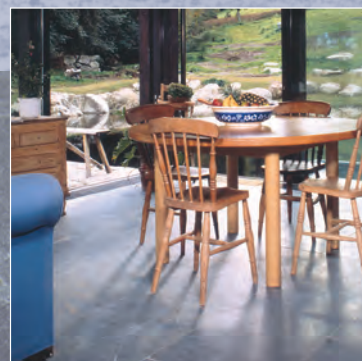




**DELABOLESLATE**

The Natural Choice

eight centuries of Cornish craftsmanship



*The Delabole Slate Company*

**flagstones &  
floor slabs**

FROM THE WORLD RENOWNED  
DELABOLE SLATE QUARRY

**web: [www.delaboleslate.co.uk](http://www.delaboleslate.co.uk)**

Delabole Slate is a family owned Cornish Company





▲ Traditional Random Slab flooring, Frame Sawn finish, newly laid and before treatment.

## TRADITIONAL

Delabole Slate has been used for flooring since the 16th century, establishing a worldwide reputation for its lasting quality. The traditional "Random Slab Flooring", consisting of slabs of set widths and random lengths, is still a speciality.

# floor slabs

FROM THE WORLD RENOWNED  
DELABOLE SLATE QUARRY



▲ Frame Sawn flooring at Shipwrights Inn, Padstow, Cornwall. An unusual layout - completely random



## ADAPTABLE

Large slate blocks are extracted from the quarry face using the latest diamond wire saws, and are cut to the customer's required size and shape using versatile diamond tipped saws.

◀ Traditional Random Slab flooring, Frame Sawn finish - after treatment and 12 months use.

▼ Honed (Fine Rubbed) slabs made to order for this circular feature, mixed effectively with Cornish granite.

## TIMELESS BEAUTY

Delabole Slate flooring is a truly fine tested product. The older it gets, the better it looks. And... just like our famous roofing slate, Delabole Floor Slabs will last for centuries.



## UNIQUE

The appearance of attractive natural markings assures that every product is unique.

## PRACTICAL

Delabole Slate Slabs are ideally suited for a variety of demanding applications such as kitchens, hallways, pubs, restaurants, foyers, and shopping centres.

## DURABLE

The mineral composition of Delabole Slate provides the hard-wearing properties that ensure its excellent durability.



▲ Uniform sized Frame Sawn slabs, laid to a regular pattern at Chagford, Dartmoor.



▲ Traditional Random Slab flooring, Frame Sawn finish after treatment.



▲ Traditional Random Slab flooring, Frame Sawn finish - newly laid and before treatment.



▲ Frame Sawn flooring slabs at Elmore Abbey, Newbury, Berkshire.

## flagstones &amp; floor slabs

## performance

## GENERAL

Slate from the Delabole Quarry is universally acknowledged for its outstanding durability. Delabole Slate floors are hard-wearing, non-combustible, resistant to sulphuric acid, atmospheric pollution, frost, normal heat and temperature changes. The excellent compressive strength of Delabole Slate floor slabs 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, Edinburgh.

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

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

<b>Compression Breaking Load</b>	156.0 MPa
<b>Compression Breaking Load</b> (after freezing)	144.7 MPa
<b>Imbibition Coefficient</b>	0.144%
<b>Ultimate Tensile Strength</b>	248.75 kg/cm <sup>2</sup>
<b>Impact Test</b>	115 cm
<b>Thermal Linear Expansion</b>	0.0075 mm/m°C
<b>Frictional Wear Test</b>	2.69 m <sup>3</sup> x 10 <sup>-8</sup> per Nm
<b>Weight per unit of volume</b>	2819.0 kg/m <sup>3</sup>
<b>Elasticity Modulus</b>	11.175 x 10 <sup>5</sup> kg/cm <sup>2</sup>
<b>Knoop Microhardness</b>	278 kg/mm <sup>2</sup>

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

**Ceram Inclined Platform Slip Resistance Test**

Frame Sawn finish - Result = Category R10 (suitable for all areas)

Fine Rubbed (Honed) finish - Result = R9 (suitable for general & private areas)

## specification

## COLOUR

The natural colour of Delabole Slate is a light blue/grey. Various surface coatings can be applied to darken the colour, enhance natural markings, or produce various gloss or matt finishes.

## FINISHES

## Frame Sawn

The traditional and most popular floor finish. The natural sawn slab of light blue/grey colour, just as it comes off the saw. Some saw marks will occur adding character to the 'raw slab' appearance.

## Fine Rubbed (Honed)

The slab is rubbed to a smooth egg-shell finish, dark blue/grey in colour.

## Sanded

This special hand finish maintains a light blue/grey colour creating an 'aged' and more mellow appearance.

## SIZE

Generally up to 4' x 6' (1200 x 1800mm).

A traditional speciality is "Random Slab Flooring" - random length slabs, laid in courses of various widths.

## THICKNESS

1" (25mm) recommended - other thicknesses available from 3/8" to 2", (10mm to 50mm).

## SHAPE

The Delabole Slate Company can saw flooring slabs to almost any shape imaginable, accommodating practically any design and reducing the need for on-site cutting.

## SUPPLY

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

## AVAILABILITY

Most Flooring Slabs are individually made to order, and sufficient time should be allowed for production.

"Random Slab Flooring" is usually available from stock.

Demand does fluctuate and we advise that customers check with our Sales Office for the current availability of slab products.

## sitework

## HANDLING &amp; STORAGE

Store slate slabs on edge on timber battens. Handle with reasonable care to avoid damage to edges and surface.

## LAYING

All slate floors should be laid in accordance with BS:5385 part 5. Thoroughly clean the surface within 24 hours of laying, and protect from other trades with polythene sheet, or building paper; do not use sawdust, as it can cause damage to joints as well as staining.

## LEISURE INSTALLATIONS

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

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** - 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.

**DELIVERY** - Delabole Slate can arrange carriage on the client's behalf. The slabs are normally delivered on standard pallets.

**ASSOCIATED PRODUCTS** - Skirting, sills, slab steps and thresholds. Riven tile flooring, and four-sided paving.

**SHOWROOM** - Slab flooring and other products are on display in the Delabole Slate showroom, which is open to the public, Monday - Friday, 9.00am - 4.30pm.

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

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Managed Forests