

DELABOLESLATE

The Natural Choice

eight centuries of Cornish craftsmanship



The Delabole Slate Company

**traditional
handmade
roofing slate**

FROM THE WORLD RENOWNED
DELABOLE SLATE QUARRY

web: www.delaboleslate.co.uk

Delabole Slate is a family owned Cornish Company





FROM THE WORLD RENOWNED DELABOLE SLATE QUARRY

traditional roofing

Delabole Roofing Slate... The 'Rolls-Royce' of slate, world renowned for extreme durability and a service life measured in centuries... In fact, our roofing slate lasts so long, our only "true competition" is the slate we sold 100 years ago!

Our Trade Name... Delabole Slate is not a geological term. It is the centuries old trade name for products of the Delabole Slate Quarry that has exclusive access to the very best of Cornish slate reserves. There is no other slate quite like it, which is probably why the quarry has operated for 800 years or more and is still the oldest and largest slate quarry in both Cornwall and England.

Hand-Made... We still make our famous roofing slate in the traditional way. Hand-made by Cornish craftsmen using skills handed down from father to son for generations.



▲ Traditional Cornish House with restored Delabole Slate roof.



◀ Past and present - A view of Delabole Slate roofs, from Truro Cathedral in the background to the recently designed shopping arcade in the foreground and every roof in between!



Traditional

Our use of traditional crafting methods gives each slate a natural and individual finish that ensures your roof will have a real "presence". The aesthetic appeal and enduring qualities of this natural material are truly second to none.

Delabole Roofing Slates are hand-made with dressed edges and "shouldered" in the time honoured Delabole way in a wide range of:

- Sized Slates
- Traditional Randoms
- Peggies / Scantle Slate



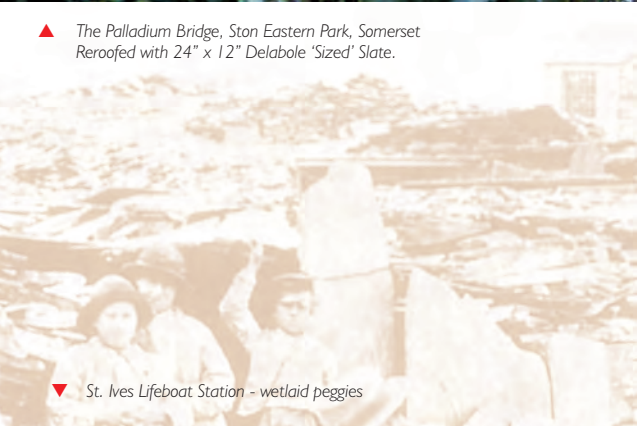
▲ Delabole roofing Slate laid in diminishing courses, was used to replace existing stone slabs at this church in Berkshire.



▲ Edgumbe Arms, Torpoint - Traditional Delabole 'Randoms' laid in diminishing courses.



▲ The Palladium Bridge, Ston Eastern Park, Somerset Reroofed with 24" x 12" Delabole 'Sized' Slate.



▼ St. Ives Lifeboat Station - wetlaid peggies



▼ Uppark House, Hampshire - The largest restoration project ever undertaken by the National Trust in Europe, following its destruction by fire in 1989. 28 tonnes of Delabole Slate 'randoms' were used to re-roof this late 17th century house.
(photo courtesy of PSLG magazine)



performance

DURABILITY

Delabole roofing slates have a known life of more than 300 years and will provide an efficient and attractive roof if laid in accordance with BS:5534: Part 1: rev 1990. In general, repairs to Delabole slate roofs are necessitated by failure of the roof timbers. In most cases the slate can be refitted.

WATER

Delabole roofing slates are impermeable to water. The slates satisfy the soaking and drying requirements of BS:680; there are no signs of delamination, edge splitting or surface flaking after 25 cycles.

FIRE

Delabole roofing slates are non-combustible.

CHEMICAL

The slates are resistant to atmospheric pollution and satisfy the requirements of BS:680 when immersed in sulphuric acid. Delabole roofing slate is unaffected by efflorescence.

TEST RESULTS

Delabole Slate exceeds the requirements of BS:680, (as tested by Frank Saynor Associates of Edinburgh and the Building Research Establishment) and is also tested in accordance with BS:690.

Thermal Conductivity	1.77 W/m °C
Average Relative Density	2819.0 kg/m ³
Water Absorption	<0.3% by weight
Acid Immersion Test	Classified as a Class A slate (BS:5642: Part 2: 1983 Cl. 23) after ten days immersion
Calcium Carbonate Content (BS:690)	NIL

Watertightness Test	Completely water tight - no moisture penetration after 24 hrs. Average 37 N/mm ² , ref BS: 4624 After 25 cycles of freeze/thaw (12 hours of each) - no signs of surface alteration or cracking was observed
Bending Strength	
Determination of Frost Cracking	

sitework

HANDLING & STORAGE

Store slates stacked on edges. Handle with reasonable care to avoid damage to edges and corners.

WORKING & GRADING

Slate can be cut and drilled on site using normal hand tools. Whilst holing, the slates should be graded by thickness, using the thicker slates at the eaves and the thinner at the top.

FIXING

Delabole roofing slates should be fixed in accordance with BS:5534: Part 1; rev 1990, and BS:8000 Slating and Tiling Workmanship. For full fixing instructions refer to separate technical booklet on general slating, and also the Delabole guide to laying in diminishing courses.

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

SUPPLY, DELIVERY

Slates can be obtained direct from Delabole Slate. To avoid disappointment, customers are advised to plan well in advance and place an order for slate as soon as possible, so that we can allocate space in our continually busy schedule. The slates are normally delivered in standard crates.

specification

COLOUR & TEXTURE

Delabole roofing slates have a natural riven texture and are predominantly blue-grey in colour. New slates will weather to a pleasing mellow shade.

DIMENSIONS

Delabole roofing slates are available in a wide range of sizes.

SIZED SLATES are dressed to a set length and width, and range from 24" x 12" to 12" x 6" (610mm x 305mm to 305mm x 152mm).

RANDOMS have lengths varying from 24" to 12" (610mm to 305mm).

PEGGIES range from 12" to 6" (305mm to 152mm) in length. Both have random widths.

Randoms and peggies are traditionally laid in diminishing courses, the largest slates fixed at the eaves, diminishing to the smaller slates at the ridge.

WEIGHT

INCHES (approx)	MM	APPROX WEIGHT PER 1000	APPROX WEIGHT PER M ² AT 75MM (3") LAP
508 x 254	20 x 10	1.720 T	31.0 kg
457 x 229	18 x 9	1.390 T	31.5 kg
406 x 203	16 x 8	1.100 T	32.5 kg
356 x 203	14 x 8	0.965 T	33.5 kg
356 x 178	14 x 7	0.840 T	33.4 kg
305 x 178	12 x 7	0.720 T	36.2 kg
305 x 152	12 x 6	0.620 T	35.9 kg

COVERAGE

STANDARD SIZED SLATE (Slate and a half sizes available)

INCHES (approx.)	MM	APPROX COVER* PER 1,000 at 3" HEADLAP	APPROX COVER* PER 1,000 at 4" HEADLAP
24" x 12"	610 x 305	81.3 m ²	77.4 m ²
22" x 11"	559 x 279	67.4 m ²	63.9 m ²
20" x 10"	508 x 254	54.8 m ²	51.6 m ²
18" x 10"	457 x 254	48.4 m ²	45.2 m ²
18" x 9"	457 x 229	43.5 m ²	40.6 m ²
16" x 10"	406 x 254	41.9 m ²	38.7 m ²
16" x 8"	406 x 203	33.5 m ²	30.9 m ²
14" x 10"	356 x 254	35.5 m ²	32.3 m ²
14" x 8"	356 x 203	28.4 m ²	25.8 m ²
14" x 7"	356 x 178	24.8 m ²	22.5 m ²
12" x 7"	305 x 178	20.3 m ²	18.0 m ²
12" x 6"	305 x 152	17.4 m ²	15.5 m ²

RANDOMS (Set lengths, random widths)

INCHES (approx.)	MM	APPROX COVER* PER TONNE at 3" HEADLAP	APPROX COVER* PER TONNE at 4" HEADLAP
24"	610	23.0 m ²	21.9 m ²
22"	559	22.5 m ²	21.3 m ²
20"	508	22.0 m ²	20.7 m ²
18"	457	21.5 m ²	20.0 m ²
16"	406	21.0 m ²	19.3 m ²
14"	356	20.5 m ²	18.6 m ²
12"	305	20.0 m ²	17.7 m ²

PEGGIES (SCANTLE SLATE) (Set lengths, random widths)

INCHES (approx.)	MM	APPROX COVER* PER TONNE at 3" HEADLAP	APPROX COVER* PER TONNE at 4" HEADLAP
11"	279	19.7 m ²	17.2 m ²
10"	254	19.5 m ²	16.7 m ²
9"	229	19.2 m ²	16.0 m ²
8"	203	19.0 m ²	15.2 m ²
7"	178	18.7 m ²	14.0 m ²
6"	152	18.5 m ²	12.3 m ²

*Customers are reminded that the normal 'coverage rates' for 'random' roofing slate are average figures only. Although continually tested they make no allowance for 'wastage', which will depend on numerous on-site factors, including cutting for under eaves, ridges, mitres, and hips, the complexity of the roof, as well as labour skills and experience, and breakages etc. It is good practice therefore to allow 5-10% wastage to cover all the variables above. More complex roofs will necessitate an increased 'wastage' factor. If in doubt, please contact the Delabole Slate Sales Office.

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