

WHY WELSH SLATE?

THE ORIGINAL ROOFING MATERIAL

Welsh slate is the highest quality roofing slate in the world. The material has been used for hundreds of years throughout the UK, adding character and quality to any building.

UNSURPASSED PERFORMANCE

Using Welsh slate will give you total confidence. It is renowned for its durability and performance and has proven colour retention so it will not fade, even after many years.

A USEFUL LIFE OF 100 YEARS

No other roofing material can offer the same levels of longevity. Did you know that second hand Welsh roofing slate has a value of 60% of new slates? - a testimony to their unique durability and quality.

SAVE ON TIME AND COST OF BREAKAGES

Due to the quality and strength of Welsh slate, contractors spend less time on site sorting and replacing breakages.

NOT AS EXPENSIVE AS YOU THINK

Is 9% extra for a Welsh slate roof worth it for the peace of mind, a 100+ year life and all the benefits mentioned here?

	Welsh Slate 500 x 300	Welsh Slate 400 x 250	Imported Slate 400 x 250
Typical roof	250m ²	250m ²	250m ²
Labour	£5,500	£5,500	£5,500
Battens / nails / membrane	£900	£1,178	£1,178
Slates	£12,252	£10,113	£8,662
Total	£18,652	£16,791	£15,340

SIZE AND FLEXIBILITY

Welsh slate is available in a variety of sizes, with bespoke sizes to order. Large format slates (500x300mm) can be used on low pitch roofs (22.5° and below)

SUPPORT THE UK AND THE ENVIRONMENT

Buying Welsh slate means reduced distribution costs and a lower carbon footprint than imported roofing materials. All our quarries operate to ISO 14001 Environmental Standards (only one other roofing slate company does!). Buying Welsh slate also supports the UK economy.

ASK YOURSELF:

How much do you pay per m² for carpets in your living room?

Do you go into a shoe shop and ask for the cheapest shoes? *Why not?*

Do you ask for the cheapest concrete for the foundations of your house? *Why not?*

So why would you want to put the cheapest slate on your roof?



EXPOSURES



Exposure Zones Approximate Wind Driven Rain (litres/m² per spell)

Yellow box: < less than 56.5 l/m² per spell (moderate)

Blue box: > greater than 56.5 l/m² per spell (severe)

MODERATE EXPOSURE less than 56.5 l/m² per spell

Size (Nominal) mm	Minimum Rafter Pitch									
	20°	22.5°	25°	27.5°	30°	35°	40°	45° to 75°	85°	
600 x 350	115	105	95	85	80	70	60	55	-	
600 x 300	-	-	95	85	80	70	60	55	-	
550 x 300	-	105	95	85	80	70	60	55	-	
500 x 300	115	105	95	85	80	70	60	55	-	
500 x 250	-	-	95	85	80	70	60	55	50	
450 x 300	-	-	-	-	80	70	60	55	50	
450 x 250	-	-	-	-	80	70	60	55	50	
400 x 300	-	-	-	-	80	70	60	55	50	
400 x 250	-	-	-	-	80	70	60	55	50	
400 x 200	-	-	-	-	80	70	60	55	50	
350 x 300	-	-	-	-	80	70	60	55	50	
350 x 250	-	-	-	-	80	70	60	55	50	
350 x 200	-	-	-	-	80	70	60	55	50	
300 x 200	-	-	-	-	80	70	60	55	50	
250 x 150	-	-	-	-	80	70	60	55	50	

SEVERE EXPOSURE 56.5 l/m² or greater per spell

Size (Nominal) mm	Minimum Rafter Pitch									
	20°	22.5°	25°	27.5°	30°	35°	40°	45° to 75°	85°	
600 x 350	-	130	120	110	100	90	80	70	-	
600 x 300	-	-	-	-	100	90	80	70	-	
550 x 300	-	130	120	110	100	90	80	70	-	
500 x 300	-	130	120	110	100	90	80	70	-	
500 x 250	-	-	-	110	100	90	80	70	65	
450 x 300	-	-	-	-	100	90	80	70	65	
450 x 250	-	-	-	-	100	90	80	70	65	
400 x 300	-	-	-	-	100	90	80	70	65	
400 x 250	-	-	-	-	100	90	80	70	65	
400 x 200	-	-	-	-	100	90	80	70	65	
350 x 300	-	-	-	-	100	90	80	70	65	
350 x 250	-	-	-	-	100	90	80	70	65	
350 x 200	-	-	-	-	100	90	80	70	65	
300 x 200	-	-	-	-	100	90	80	70	65	
250 x 150	-	-	-	-	100	90	80	70	65	

This map shows the annual driving rain index. Exposure gradings and local knowledge should be referred to when discussing design requirements.

Further information is available from the Welsh//Slate Technical Department.

COVERAGE

(Based on BS 5534: 2003 - All headlaps have been rounded up to the nearest 5mm increment)

Coverage: Slates/m²

Size (Nominal) mm	Lap mm																
	50	55	65	70	75	80	85	90	95	100	105	110	115	120	125	130	150
600 x 350	10.2	10.3	10.5	10.6	10.7	10.8	10.9	11.0	11.2	11.3	11.4	11.5	11.6	11.7	11.9	12.0	12.5
600 x 300	11.9	12.0	12.3	12.4	12.5	12.6	12.7	12.9	13.0	13.1	13.2	13.4	13.5	13.7	13.8	14.0	14.6
550 x 300	13.1	13.2	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	15.1	15.2	15.4	15.6	16.4
500 x 300	14.6	14.7	15.1	15.2	15.4	15.6	15.8	16.0	16.2	16.4	16.6	16.8	17.0	17.3	17.5	17.7	18.7
500 x 250	17.4	17.6	18.0	18.2	18.5	18.7	18.9	19.1	19.4	19.6	19.9	20.1	20.4	20.6	20.9	21.2	22.4
450 x 300	16.4	16.6	17.0	17.3	17.5	17.7	18.0	18.2	18.5	18.7	19.0	19.3	19.6	19.9	20.2	20.5	21.9
450 x 250	19.6	19.9	20.4	20.6	20.9	21.2	21.5	21.8	22.1	22.4	22.7	23.1	23.4	23.8	24.1	24.5	26.1
400 x 300	18.7	19.0	19.6	19.9	20.2	20.5	20.8	21.2	21.5	21.9	22.2	22.6	23.0	23.4	23.8	24.3	-
400 x 250	22.4	22.7	23.4	23.8	24.1	24.5	24.9	25.3	25.7	26.1	26.6	27.0	27.5	28.0	28.5	29.0	-
400 x 200	27.9	28.3	29.1	29.6	30.0	30.5	31.0	31.5	32.0	32.5	33.1	33.6	34.2	34.8	35.5	36.1	-
350 x 300	21.9	22.2	23.0	23.4	23.8	24.3	24.7	25.2	25.7	26.2	26.8	27.3	27.9	-	-	-	-
350 x 250	26.1	26.6	27.5	28.0	28.5	29.0	29.6	30.2	30.8	31.4	32.0	32.7	33.4	-	-	-	-
350 x 200	32.5	33.1	34.2	34.8	35.5	36.1	36.8	37.5	38.3	39.0	39.8	40.7	41.5	-	-	-	-
300 x 300	26.2	26.8	27.9	28.5	29.1	29.8	30.5	31.2	32.0	32.8	-	-	-	-	-	-	-
300 x 250	31.4	32.0	33.4	34.1	34.9	35.7	36.5	37.3	38.3	39.2	-	-	-	-	-	-	-
300 x 200	39.0	39.8	41.5	42.4	43.4	44.3	45.4	46.5	47.6	48.8	-	-	-	-	-	-	-

Values calculated using nominal sizes and incorporating a 5mm joint gap as per BS 8000: Part 6 : 1990. We recommend the addition of at least 5% wastage allowance.

This table gives a range of sizes for your information. Other sizes may be available, please contact us for further information.

Welsh Slate Limited
Penrhyn Quarry,
Bethesda,
Bangor,
Gwynedd.
LL57 4YG
United Kingdom

Telephone: +44 (0) 1248 600 656
Fax: +44 (0) 1248 601 171
Website: www.welshslate.com
e-mail: enquiries@welshslate.com



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www.welshslate.com