

Quality Standard

UK Construction Products Regulations, require any natural slates offered for sale in the UK to display the UKCA Marking. Certification must be made available in compliance with the procedures laid down in the relevant UK standard, BS EN12326-1:2014 detailing the test results and classifications to be shown on commercial documents. (All slates need to be fixed in line with current British Standards.)

Grading

Slates must be graded on the ground before being lifted onto the roof for fixing. Sort slates into 3 or 4 groups of equal thickness, laying slates of equal thickness in the same course.

Slates that are not sorted and graded before fixing do not lay true and can look unsightly.

Laying

Slate the roof with thicker slates in lower course (eaves) and thinner slates in upper course (ridge). This will prove stronger against wind and rain, lay better with fewer gaps and blend in any natural colour variation.

Fixing

ISS recommends that Brazilian slate should be fixed with hooks, whilst Spanish slate can be fixed with nails or hooks. All fixings must comply with the latest version of BS5534.

Wastage

Due to the natural composition of slate, each slate may vary slightly in respect to size and colour. It is necessary to allow a cutting and wastage allowance when determining the quantity of slates to order. Your ISS representative will advise on wastage allowance.

Severe Exposure more than or equal to 26.0 l/m ² per spell				
Fish Degree	Slate Size minimum	Minimum Headlap mm	Doric no/m ²	Broken Gauge mm
10°	600 x 300	90	12.90	222
	500 x 300	90	16.00	202
	500 x 220	90	19.10	202
	400 x 220	90	24.69	180
	400 x 220	90	22.20	122
	400 x 200	90	31.20	122
	320 x 200	90	37.20	130
	300 x 200	90	44.20	102
	30°	600 x 300	100	13.10
500 x 300		100	16.40	208
500 x 220		100	19.60	208
400 x 220		100	23.40	172
400 x 220		100	24.10	120
400 x 200		100	32.20	120
320 x 200		100	39.00	122
300 x 200		100	48.80	100
27.2°		500 x 300	110	16.80
22°	500 x 220	120	28.10	182
	500 x 300	120	17.20	190
22.2°	500 x 300	120	17.70	182

Moderate Exposure less than 26.5 l/m ² per spell				
Fish Degree	Slate Size minimum	Minimum Headlap mm	Doric no/m ²	Broken Gauge mm
10°	600 x 300	70	12.40	262
	500 x 300	70	12.20	212
	500 x 220	70	18.20	212
	420 x 220	70	23.28	190
	400 x 220	70	23.80	162
	400 x 200	70	28.60	162
	320 x 200	70	34.80	140
	300 x 200	70	42.40	110
	30°	600 x 300	80	12.80
500 x 300		80	12.80	210
500 x 220		80	18.70	210
420 x 220		80	24.02	182
400 x 220		80	24.20	140
400 x 200		80	28.20	160
320 x 200		80	36.10	132
300 x 200		80	44.20	110
27.2°		600 x 300	82	12.70
22°	500 x 300	82	12.80	208
	500 x 220	82	18.90	208
22°	600 x 300	82	12.80	222
	500 x 300	82	18.20	202
	500 x 220	82	18.40	202
22.2°	500 x 300	100	18.80	198
	500 x 220	100	17.70	182
20°	500 x 300	110	17.00	182

Categories of Exposure to Driving Rain



- Cream areas depict driving rain exposures of less than 26 l/m² per spell (moderate)
- Green areas depict driving rain exposures of more than 26 l/m² per spell (severe)

For more information, please refer to our Technical Guide which can be found on our website.



Visit our website and find out more about our Carbon Conscious range.