

Moderate Exposure
(Less than 56.51/m² per spell)

The recommendations below apply to rafter lengths of 9m or less.
The specifier should also take into account any abnormal local conditions that might apply.

Pitch deg	Slate size mm x mm	Minimum Headlap mm	Slates no/m ²	Batten gauge mm	Holing gauge mm	Average weight kg/m ²
45	600 x 300	54	12.21	273	337	33.24
	500 x 300	54	14.95	223	287	33.91
	500 x 250	54	17.94	223	287	33.91
	450 x 250	54	20.20	198	262	34.38
	450 x 220	54	22.96	198	262	34.38
	400 x 200	54	23.12	173	237	34.97
40	600 x 300	60	12.35	270	340	33.61
	500 x 300	60	15.15	220	290	34.38
	500 x 250	60	18.18	220	290	34.38
	450 x 250	60	20.51	195	265	34.90
	450 x 220	60	23.31	195	265	34.90
	400 x 200	60	23.53	170	240	35.59
35	600 x 300	67	12.51	267	344	34.05
	500 x 300	67	15.40	217	294	34.93
	500 x 250	67	18.48	217	294	34.93
	450 x 250	67	20.89	192	269	35.54
	450 x 220	67	23.74	192	269	35.54
	400 x 200	67	24.02	167	244	36.34
30	600 x 300	77	12.75	262	349	34.70
	500 x 300	77	15.76	212	299	35.76
	500 x 250	77	18.91	212	299	35.76
	450 x 250	77	21.45	187	274	36.49
	450 x 220	77	24.37	187	274	36.49
	400 x 200	77	24.77	162	249	37.46
27.5	600 x 300	83	12.89	259	352	35.11
	500 x 300	83	15.99	209	302	36.27
	500 x 250	83	19.18	209	302	36.27
	600 x 300	91	13.10	255	356	35.66
	500 x 300	91	16.30	205	306	36.98
	500 x 250	91	19.56	205	306	36.98
22.5	500 x 300	101	16.71	200	311	37.91
	500 x 300	113	17.23	194	317	39.08

Severe Exposure
(Greater than or equal to 56.51/m² per spell)

The recommendations below apply to rafter lengths of 9m or less.
The specifier should also take into account any abnormal local conditions that might apply.

Pitch deg	Slate size mm x mm	Minimum Headlap mm	Slates no/m ²	Batten gauge mm	Holing gauge mm	Average weight kg/m ²
45	600 x 300	69	12.55	266	345	34.18
	500 x 300	69	15.47	216	295	35.09
	500 x 250	69	18.56	216	295	35.09
	450 x 250	69	21.00	191	270	35.73
	400 x 250	69	24.17	166	245	36.56
	400 x 200	69	30.21	166	245	36.56
40	600 x 300	76	12.72	262	348	34.64
	500 x 300	76	15.72	212	298	35.67
	500 x 250	76	18.87	212	298	35.67
	450 x 250	76	21.39	187	273	36.40
	400 x 250	76	24.69	162	248	37.35
	400 x 200	76	30.86	162	248	37.35
35	600 x 300	86	12.97	257	353	35.31
	500 x 300	86	16.10	207	303	36.53
	500 x 250	86	19.32	207	303	36.53
	450 x 250	86	21.98	182	278	37.40
	400 x 250	86	25.48	157	253	38.54
	400 x 200	86	31.85	157	253	38.54
30	600 x 300	98	13.28	251	359	36.16
	500 x 300	98	16.58	201	309	37.62
	500 x 250	98	19.90	201	309	37.62
	450 x 250	98	22.73	176	284	38.67
	400 x 250	98	26.49	151	259	40.07
	400 x 200	98	33.11	151	259	40.07
27.5	500 x 300	106	16.92	197	313	38.39
25	500 x 300	116	17.36	192	318	39.39
22.5	500 x 300	128	17.92	186	324	40.66

Tables based on a nail hole positioned 25mm in from the side of the slate. It may be possible to use certain slates at a lower pitch by holing the slates nearer to the edge under factory conditions.

An allowance should be made for cutting and wastage.



ESCO 100 - NATURAL SPANISH SLATE



Esco 100 slates from The European Slate Company are sourced from a quarry producer in North Western Spain. The quarry is one of the only producers to carry the ISO 14001 Environmental Management and has been supplying product continuously to the UK market since 1987, with over 66 million slates used on a wide range of projects.

Esco 100 slates have been tested to BS EN 123261: 2014 and are CE marked as having achieved the highest classification of W1, T1, S1.

In addition, slates from this producer are supplied into the French market, where they achieve the NF Marque, which imposes stricter criteria than the European Standard, and into the Belgian Market where they achieve the comprehensive ATG approval.

Esco 100 slates should be installed strictly in accordance with the BS 5534: 2014 slating and tiling for pitched roofs and vertical cladding, also with BS 8000 Workmanship on building sites Part 6: Code of practice for slating and tiling of roofs and walls, our recommendations, and best industry practice.

The slates are typically supplied preholed to a standard position that allows fixing to the most common required overlaps.

European Slate Company

All information in this publication is based on our experience and knowledge of the product. However due to factors beyond our control no warranty is given or implied based on this information.
As with all natural materials, textures and colours may vary according to light or weather conditions where it is fixed.



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