

Minimum Recommended Headlap B.S.5534 for nail fixing.

Driving Rain Exposure: <56.5 l/m2 Per Spell (Moderate)								
Slate size	20°	22.5°	25°	27.5°	30°	35°	40°	45°
600x350	115	105	-	-	-	-	-	-
600x300	190	130	95	85	80	70	60	55
500x300	115	105	95	85	80	70	60	55
500x250	-	-	100	85	80	70	60	55
450x220	-	-	-	-	80	70	60	55
400x250	-	-	-	-	80	70	60	55
400x220	-	-	-	-	80	70	60	55
400x200	-	-	-	-	80	70	60	55
350x200	-	-	-	-	80	70	60	55
300x200	-	-	-	-	80	70	60	55

Driving Rain Exposure: >56.5 l/m2 Per Spell (Severe)								
Slate size	20°	22.5°	25°	27.5°	30°	35°	40°	45°
600x350	150	130	120	110	100	-	-	-
600x300	-	165	120	110	100	110	90	85
500x300	-	130	120	110	100	90	80	70
500x250	-	-	-	-	120	105	100	95
450x220	-	-	-	-	130	125	110	110
400x250	-	-	-	-	100	90	80	70
400x220	-	-	-	-	100	90	80	70
400x200	-	-	-	-	-	110	105	100
350x200	-	-	-	-	100	90	80	70
300x200	-	-	-	-	100	90	80	70

Notes:

A) The recommendation for laps given might not be adequate at roof pitches of less than 30 Degrees under the following conditions:

(i) In driving rain exposures of less than 56.5 l/m2 per spell for rafter lengths greater than 9m. See map details below for reference or refer to BS5534:2014

(ii) In driving rain exposures of 56.5 l/m2 per spell or greater for rafter lengths greater than 6m in these circumstances please consult our technical department. See map details below for reference or refer to BS5534:2014

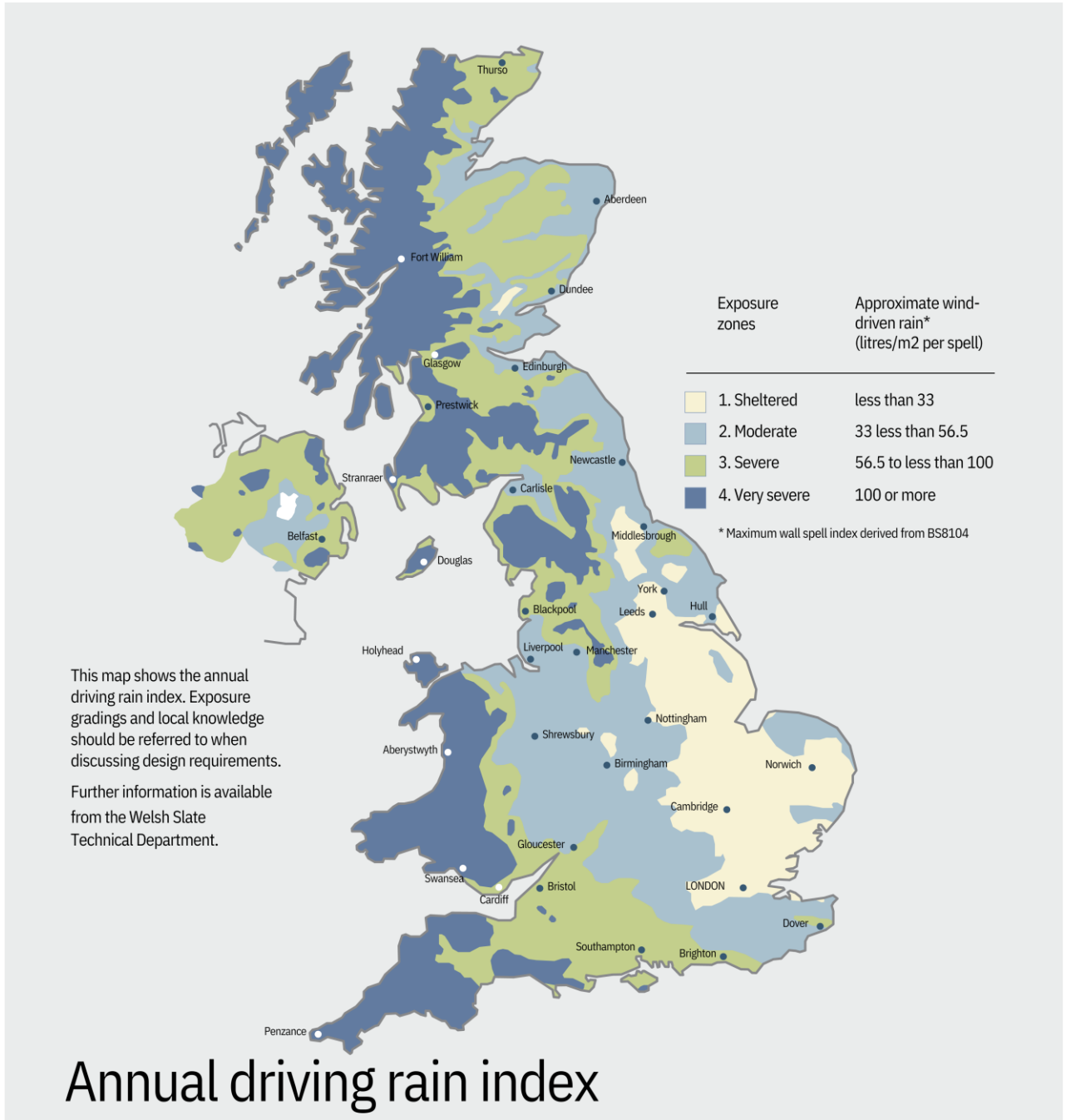
B) Where abnormal weather conditions might be expected e.g., on elevated sites near the coast, in localities where heavy snowfalls are commonly experienced or in conditions of severe exposure, the recommendations for lap will not always ensure full protection. The specifier should seek guidance from a competent person conversant with local conditions.

C) In areas subject to high winds, we recommend using thicker slates, longer fixings, and ring shanked nails.

Fixing: Natural slates should be fixed in accordance with BS 5534:2014 Code of Practice for Slating and Tiling. More information is available from the technical department sales@ghrichards.co.uk or 01492 581 530



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In general, any area within 30 miles of a west facing coastline is considered to be in a severe exposure area.

However, localised effects on any site must also be taken into consideration.

Further reference to BS 8104 is advisable to ascertain localised effects.

Map based on BS 5534.