



Natural Slate Specialist
since 1934

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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°
600 x 300	-	-	95	85	80	70	60	55
500 x 300	115	105	95	85	80	70	60	55
500 x 250	-	-	100	85	80	70	60	55
450 x 220	-	-	-	-	80	70	60	55
400 x 250	-	-	-	-	80	70	60	55
400 x 220	-	-	-	-	80	70	60	55
400 x 200	-	-	-	-	80	70	60	55
350 x 200	-	-	-	-	80	70	60	55
300 x 200	-	-	-	-	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°
600 x 300	-	-	-	-	120	110	90	85
500 x 300	-	130	120	110	100	90	80	70
500 x 250	-	-	-	-	120	105	100	95
450 x 220	-	-	-	-	130	125	110	110
400 x 250	-	-	-	-	100	90	80	70
400 x 220	-	-	-	-	100	90	80	70
400 x 200	-	-	-	-	-	110	105	100
350 x 200	-	-	-	-	100	90	80	70
300 x 200	-	-	-	-	100	90	80	70

Notes:

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

- (i) In driving rain exposures of less than 56.5 l/m2 per spell for rafter lengths greater than 9m
- (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.

B) Where abnormal weather conditions might be expected - eg; on elevated sites near the coast, in localities where heavy snow falls 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.

Fixing: Gordon H Richards recommends all natural slates should be fixed in accordance with BS 5534:2003 Code of Practice for Slating and Tiling. More information is available from the Technical department