

Rainwater Drainage (Run-Off) Capacity “Roof Sheets”



Colorbond

Roll Tech Australia is a proud supplier of Australian made genuine BlueScope – Colorbond material

Rainwater Drainage (Run-Off) Capacity - Roof Sheets

The drainage (run-off) capacity of a roof is limited to the total (unimpeded) length of the sheet run which must be considered in roof design and construction.

The below table covers both Corrugated & RollDek roof sheeting profiles:-

Sheet Profile	Rainfall Intensity mm/hr	Roof Slope (Degrees)					
		1 Deg	2 Deg	3 Deg	5 Deg	7.5 Deg	10 Deg
Corrugated	100				29	34	38
	150				20	23	25
	200				15	17	19
	250				12	14	15
	300				10	11	13
	400				7	8	10
RollDek	100		220	257	320	282	439
	150		146	172	214	255	293
	200		110	129	160	191	220
	250		88	103	128	153	176
	300		73	86	107	127	146
	400		55	64	80	96	110

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Material Specifications

ZINCALUME® aluminium/zinc/magnesium alloy coated steel complies with AS 1397:2011 G550, AM125 (550 MPa minimum yield stress, 125 g/m² minimum coating mass).

COLORBOND® steel is pre-painted steel for exterior roofing and walling.

The painting complies with AS/NZS 2728:2013 and the steel base is an aluminium/zinc alloy-coated steel complying with AS 1397:2011. Minimum yield strength for CUSTOM ORB is G550 (550 MPa). Minimum coating mass is AM100 (100 g/m²).

Design Information

AS4040(0,1,2) 1992 “Method of testing sheet and wall cladding”, and AS1562.1 -0 1992 “Design and installation of sheet roofing and wall Cladding”.

Wind Loads have been derived from AS1170.2 – 1989 “SAA Loading Part 2: Wind Loads” AS 4055 – 2012 “Wind loads for Housing”.

Warranty

Roll Tech Australia is proud to use the Australian made genuine BlueScope – Colorbond material. BlueScope warrants the steel material used to produce your roll formed steel building products in certain applications and subject to meeting a number of conditions. This covers the likes of COLORBOND® steel, ZINCALUME® steel, TRUECORE® steel and GALVSPAN® steel. BlueScope Material Warranties must be applied for online via the [BlueScope Warranty Management System](#).