



No.1 TopHat 40

No.1 TopHat 40 is a 40mm deep profile used as a roofing batten for residential tiled roof or steel roof. It is commonly called a “roofing batten”, however it can also be used in walling applications. The top flange of the profile has an embossed surface to make it easier for the steel roofing screws to grip and “bite-in” without slippage during awkward and steep installation angles (up to 25 degrees).

Furthermore the embossment improves the slip resistance when the roofers are walking up the roof structure during the placement of the roof tiles or steel roofing. The lips of the bottom flanges are rounded for improved safety during handling and installation by the tiler trades. The ends of each length are mitre cut for simple installation at hip and valleys.

Nominal lapping (non-structural) is simple and will ensure continuity and straightness of fastener alignment.

Outward Capacity

3-Span Continuous - Outward Capacity (kN/m)

Span	Member Strength	2 Screw Connection Capacity (kN/m)				4 Screw Connection Capacity (kN/m)	
		Support Thickness				Support Thickness	
		0.75mm	1.0mm	1.2mm	1.5mm	0.75mm	1.0mm
600mm	8.60 kN/m	2.35	3.96	6.11	6.84	3.48	6.27
900mm	3.83 kN/m	1.56	2.64	4.07	4.56	2.32	4.18
1200mm	2.18 kN/m	1.17	1.98	3.05	3.42	1.74	3.14
1500mm	1.41 kN/m	0.94	1.59	2.44	2.73	1.39	2.51
1800mm	0.98 kN/m	0.78	1.32	2.04	2.28	1.16	2.09
2000mm	0.80 kN/m	0.70	1.19	1.83	2.05	1.05	1.88

Maximum Span No.1TH4055

Point Load: 1.1kn (Strength Criteria Only)

Section	Span
3-Span Continuous	1200

Inward Capacity No.1TH4055

3-Span Continuous - Inward Capacity (kN/m)

Span (mm)	Strength	L/300
600	8.46	2.77
900	4.46	1.71
1200	2.49	0.88
1500	1.63	0.48
1800	1.15	0.29
2000	0.94	0.22

Material Specifications

No.1 TopHat 40 roofing battens are made from TRUECORE® steel (aluminium/zinc alloy coated) complying with AS 1397 G550 - AM150 (550 MPa minimum yield stress, 150g/m² minimum coating mass).

Base Metal Thickness	0.55mm
Yield Strength	550Mpa
Coating Mass	150g/m ²
Mass	0.67kg/m