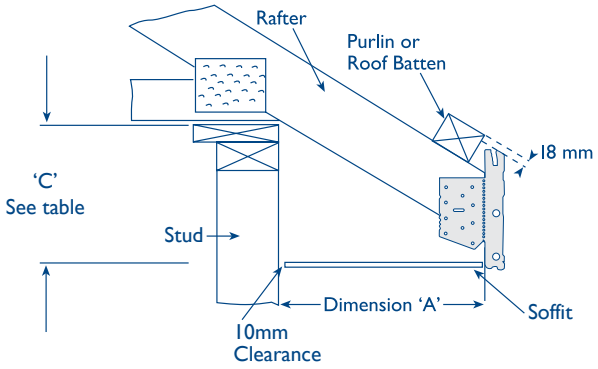
3.4.4.3 FASCIA 185 INSTALLATION GUIDE

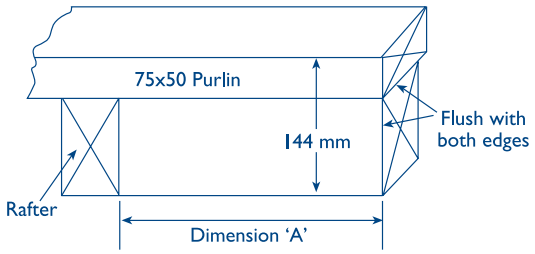
METAL TILES AND METAL ROOFS



Hip & Gable Roof – Eaves Detail

Soffit Width mm	300	450	600
Dimension 'A' mm	295	445	595

Note:
- 94x47 soffit bearers used unless stated.
- Soffit bearers fixed to right or left hand side of rafter.
- 10 mm clearance allowed for soffit.



Gable End Detail

Soffit Width mm	300	450	600
Dimension 'A' mm	295	445	595

In heavy snowfall and wind areas, brackets and snow straps must be fixed at 450 mm centres.
In medium wind areas it is advisable to fix the brackets at 600 mm centres.

Roof Pitch (Degrees)	Drop Heights – Dimension C (mm) Soffit widths (mm)			
	300	450	600	750
10	95	123	151	179
12.5	107	140	173	206
15	120	160	200	240
17.5	133	180	227	274
20	145	200	254	309
22.5	160	222	284	346
25	173	243	313	383
27.5	188	266	344	422
30	202	289	376	463
35	233	338	443	548
40	268	394	520	646
45	306	456	606	756
50	350	529	708	887

Notes for Installers

1. To ensure birds cannot enter the roof space, there should be no gap between the bottom purlin and the back face of the gutter after the system has been installed.
2. NOTE: Soffit bearers are required on all hip corners and should be cut back 10 mm.
3. Where loose fill insulation is used, the soffit must be blocked off at the top plate to prevent the insulation coming into contact with the metal fascia.
4. Zincalume coated gutters should have a minimum fall of at least 1:500 and should not have permanent ponding.

Check with your nearest distributor for further details.

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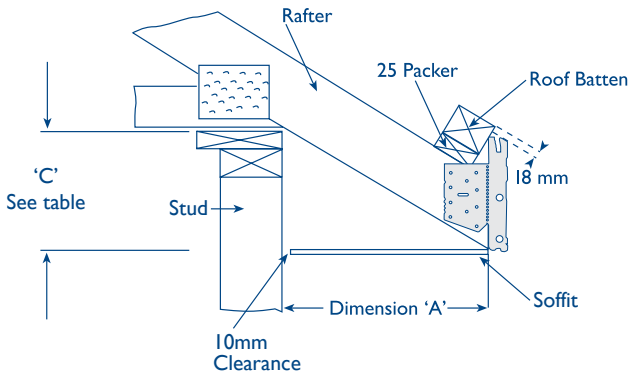
3.4.4.4 FASCIA 185 & GUTTER INSTALLATION GUIDE

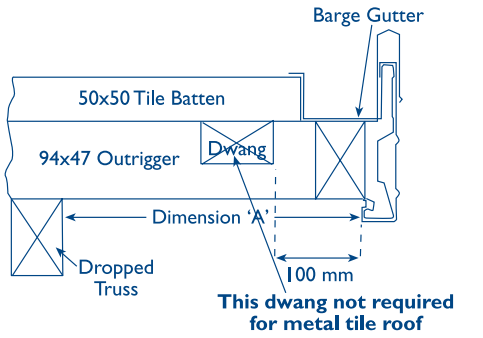
CONCRETE TILE ROOFS



Hip & Gable Roof – Eaves Detail

Soffit Width mm	300	450	600
Dimension 'A' mm	295	445	595

Note:
- 94x47 soffit bearers used unless stated.
- Soffit bearers fixed to right or left hand side of rafter.
- 10 mm clearance allowed for soffit.



Gable End Detail

Soffit Width mm	300	450	600
Dimension 'A' mm	295	445	595

In heavy snowfall and wind areas, brackets and snow straps must be fixed at 450 mm centres.
In medium wind areas it is advisable to fix the brackets at 600 mm centres.

Roof Pitch (Degrees)	Drop Heights – Dimension C (mm) Soffit widths (mm)			
	300	450	600	750
17.5	107	154	201	248
20	118	173	227	282
22.5	133	195	257	319
25	145	215	285	355
27.5	160	238	316	394
30	173	260	347	434
35	202	307	412	517
40	235	361	487	613
45	271	421	571	721

Notes for Installers

1. To ensure birds cannot enter the roof space, there should be no gap between the bottom purlin and the back face of the gutter after the system has been installed.
2. Colorflo 185 mm External Fascia and Gutter is not suitable on concrete tile roofs with sloping soffits.
3. NOTE: Soffit bearers are required on all hip corners and should be cut back 10 mm.
4. The use of concrete tiles on the barge ends is not a recommended practice as highlighted in the NZ Metal Roofing and Cladding Code of Practice Section 2 under Compatibility 2.7.2. Should people continue to use this method then there should be some sort of barrier between the two and there is no warranty offered by Pacific Coil Coaters or New Zealand Steel for corrosion if this method is used. This means that all installations should have a bottom batten around the edge of the roof line rather than let the concrete tile rest on the fascia.
5. Where loose fill insulation is used, the soffit must be blocked off at the top plate to prevent the insulation coming into contact with the metal fascia.
6. Zincalume coated gutters should have a minimum fall of at least 1:500 and should not have permanent ponding.

Check with your nearest distributor for further details.

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3.4.7 MAINTENANCE REQUIREMENTS

Regular washing of all surfaces not normally washed by rainfall (called 'unwashed areas') needs to be done with clean fresh water. Regular washing may be anything from 3 monthly to 12 monthly periods. Washing should either be with a stiff soft bristled brush or water blasting at a pressure of 1500-2000 psi.

Care needs to be taken to avoid driving water into the soffit ends and roof space, by working away from soffit joints.

Should the fascia panel or parts of it become corroded over time, it must be repaired when it is first noticed. We recommend the corrosion is neutralised, then corrosion cleaned off, fascia washed down to remove dirt, oils and any grease or silicone, before priming and applying two coats of acrylic roof paint to the paint manufacturer's recommendation.

Alternatively, badly corroded lengths should be replaced, but expect colour variations due to paint fade that may not be acceptable or aesthetically pleasing for the end user.

3.4.8 TEST RESULTS

Regular material quality tests are carried out by our coil suppliers to ASTM....

Dimond have tested 185 fascia for snow load to ensure it does not detach from the fixing brackets under a sliding 1.5 kPa snow fall on a 15° roof slope. The panel stayed attached to the fixing brackets.

3.4.9 QUALITY ASSURANCE

As part of Dimond's commitment to ensuring best quality and consistent manufacture, we run consistent quality checks on the products we produce to ensure the product meets our specifications for dimension tolerances.

3.4.10 PRODUCT SUPPORT

Contact details for Dimond:

National Sales: 0800 DIMOND (0800 346 663)

Technical: 0800 ROOFSPEC (0800 766 377)