

2.1.2 DIMOND CERTIFIED COMMERCIAL INSTALLER PROGRAMME

Dimond Roofing and Wall Cladding Systems must be correctly selected, specified and installed if they are to meet their designed performance, including desired aesthetic performance.

- Correct system selection and specification will be achieved by following the design guidelines in this Manual.
- Correct system installation (including components used and workmanship) will be achieved by specifying the use of a Dimond Certified Commercial Installer.
- Correct system performance will be endorsed by requesting a Dimond inspection and written report on completed work that has been carried out by a Dimond Certified Commercial Installer.

In this way the Dimond System will be completed to a high standard for long term client satisfaction.

The Dimond Certified Commercial Installer Programme enables you to use installers recognised for their proven capability to install Dimond Roofing, Cladding and Rainwater Systems by passing a stringent and ongoing audit process.

The audit process covers:

Installation Practice – correct component selection and handling, installation to Dimond accepted standards, no compromise on long term performance or aesthetics.

Business Practice – Customer service and project management skills to Dimond accepted standards, experienced site personnel, established quality control and complaint handling procedures, ongoing trusted relationship with Dimond.

Health and Safety Practice – Policy manual to Dimond accepted standards, demonstrated on-site awareness and management of risks.

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2.1.2.1 FEATURES AND BENEFITS

By specifying and then ensuring a Dimond Certified Commercial Installer is used on your contracts you will see the benefits of:

- Reduced risk of installation outside of your specification requirements because the Installer has a proven record of understanding the Dimond System design requirements.
- Dimond technical staff and the Certified Installer are available for input into all stages of the design and installation detailing processes if required.
- No hassle with callbacks to address issues of non-compliance because there will be less issues, and if issues arise they will be dealt with through an approved level of customer service practice.
- Less need for specific details because Dimond Certified Installers are kept up to date with the Dimond System details outlined in the manual.
- Your reputation for designing high quality buildings will be enhanced by the care taken to produce a high standard of finished appearance and long term performance.

These benefits result from the following features of the programme.

- Consistent audit standard on a national basis.
- Audits carried out to published criteria (see Section 2.1.2.2) by recognised roofing industry experts.
- All Installers assessed across all categories of commercial metal roofing and cladding.
 - roofing sheets longer than 14 m
 - natural lighting sheets
 - curved roofing and flashings
 - wall cladding
 - flashings for penetration sizes greater than 600 mm
 - gutter and rainheads.
- Extensive audit criteria set to ensure the standard of installation will enable the system to meet the requirements of the New Zealand Building Code, Clauses E2, E3, and B2.
- Each Installer audited on at least three separate commercial buildings.
- The audit programme will be ongoing.
- Strong business relationship built up between Dimond and the Installer.

2.1.2.2 AUDIT CRITERIA SUMMARY

Sheeting

- Side lap appearance and weather security.
- No water ponding.
- No scratches visible from 3 metres.
- No evidence of rusting swarf that could have been prevented.
- No permanent deformation that will hold water or reduce the load capacity of the sheet.
- No evidence of transport or storage damage.
- Turn downs (for pitches less than 8 degrees) and stop ends formed.
- Cut edge protection applied if required.
- No unnecessary end laps. When necessary, correctly fastened and sealed.
- Internal and end spans to comply.
- Overhang into gutter to straight line, and at least 50mm.
- Curve radii to comply with profile limitations.
- Surface left in a clean state.

Underlay and Netting

- Correctly lapped and tensioned
- Underlay to lap into the gutter by 20mm.

Flashings

- Formed without excessive micro cracking on bends.
- Equivalent durability to sheeting.
- No water ponding or dam creation.
- No damage – scratches, swarf, permanent deformation as for sheeting.
- Sufficient cover over sheeting.
- Sufficient upstands behind pitched roofs or vertical cladding.
- Laps sealed and correctly fastened.
- Correct use of sealant.
- Notchings clearance between 1mm and 5mm.
- Weather security not to rely entirely on sealant.
- Curved flashings fitted to even curve of roof.
- Fixed to a parallel line.

Fasteners

- Correct type, size and frequency.
- Material compatible with sheeting and flashings.
- Correct use of washers to accommodate thermal movement.
- Side laps of sheeting stitched where necessary.
- Joints in flashings correctly fastened.
- Located to a straight line.

Penetrations

- Support structure provides adequate support and fastenning around opening.
- Water diversion not to cause channel overload.

Natural Lighting

- Internal and end spans to comply.
- Mid span supports installed where necessary and sheeting fastened to them.
- Side laps and end laps correctly located and fastened
- Stop end flashings fitted and correctly sealed and fastened.

For more detailed inspection criteria, refer to Section 2.3.4 – General Workmanship.