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1 ROOFING

1.1 Preliminary

Refer to General Conditions of Contract and the Special Conditions in this Specification as appropriate. Read this section in conjunction with all other trade sections.

1.2 Compliance

Comply with the New Zealand Building Code 1992 including all revisions and amendments, Verification Methods where appropriate, and construction principles that are embodied in the Acceptable Solutions.

Comply with all relevant provisions and recommendations of:

2728:2013(AS|NZS)	Prefinished/prepainted sheet metal products for interior/exterior building applications - Performance requirements
AS/NZS 1580.481.1.11:1998	Methods of test for paints and related materials - Exposed to weathering - Degree of chalking
ISO 9223:2012	Corrosion of metals and alloys — Corrosivity of atmospheres — Classification, determination and estimation
NZBC B2/AS1	Durability
NZMRM Code of Practice	NZ Metal Roof and Wall Cladding Code of Practice - Version 3.0

1.3 ColorCote® MagnaFlow™

1.3.1 Scope

1.3.1.1 General

Supply the ColorCote® MagnaFlow™ 0.40 mm and 0.55 mm metal cladding and roofing and install it on the areas identified on the design drawings. MagnaFlow™ and MagnaFlow™ PLUS use a magnesium coating that helps it to 'self-heal' by helping zinc to flow over the edge and create a seal against further corrosion, with a water-borne acrylic or polyester top coat baked on a polyester primer, ensuring excellent colour retention and gloss for many years to come. With superior corrosion resistance, MagnaFlow™ is the ideal choice for demanding environments such as houses close to the coast.

All aspects of the work shall be in complete accordance with the New Zealand MRM's Code of Practice Guide (check www.metalroofing.org.nz/cop, or call 021 330 429 for their latest edition), and for additional technical information, please visit www.colorcote.co.nz, or call 0800 279 979.

1.3.1.2 Warranties

Please refer to the Warranty Enquiry Form of ColorCote® for a written warranty for your project. All ColorCote® roofing and cladding product warranties are provided specifically for each building and site.

1.3.2 Performance - Durability

1.3.2.1 Durability - Exposure Zone B: Low

Durability – Exposure Zone B: Low

Durability: The specified **ColorCote® MagnaFlow™/MagnaFlow™ PLUS** cladding, roofing, and rainwater goods installation is located in a NZS Exposure Zone B: Low – within an inland area with little risk from wind-blown sea-spray salt deposits.

ISO 9233 Category: C2 Low. Characterized by no obvious marine influences. Typically, more than 1,000 meters from the exposed coasts or more than 500 meters from industrial emissions.

All aspects of the specified **ColorCote® MagnaFlow™/MagnaFlow™ PLUS cladding, roofing, and rainwater goods,** including surface finish and installation, shall meet the durability requirements for the given Exposure Zone in accordance with NZBC B2.

1.3.2.2 Durability - Exposure Zone C: Medium

Durability – Exposure Zone C: Medium

Durability. The specified **ColorCote® MagnaFlow™/MagnaFlow™ PLUS** cladding, roofing, and rainwater goods installation is located in a NZS 3604 Exposure Zone C: Medium – within an inland coastal area with medium risk from wind-blown sea-spray salt deposits.

ISO 9223 Category: C3 Medium. Characterised by light salt deposits, a frequent smell of salt in the air. Typically, within 500 metres to 1km from breaking surf or in the immediate vicinity of calm salt water, such as estuaries.

All aspects of the specified **ColorCote® MagnaFlow™/MagnaFlow™ PLUS cladding, roofing, and rainwater goods,** including surface finishing and hardware, shall meet the durability requirements for the given Exposure Zone in accordance with NZBC B2.

1.3.2.3 Durability – Exposure Zone D: High

Durability – Exposure Zone D: High

Durability. The specified **ColorCote® MagnaFlow™/MagnaFlow™ PLUS cladding, roofing, and rainwater goods** installation is located in a NZS 3604 Exposure Zone D: High– within a coastal area with high risk of windblown sea-spray salt deposits

ISO 9223 Category: C4 High. Characterised by light salt deposits, a frequent smell of salt in the air. Typically commencing from the Very Severe Zone up to 500 metres or more inland from breaking surf, or in the immediate vicinity of calm salt water such as harbour foreshores.

All aspects of the specified **ColorCote® MagnaFlow™/MagnaFlow™ PLUS cladding, roofing, and rainwater goods,** including surface finishing and hardware, shall meet the durability requirements for the given Exposure Zone in accordance with NZBC B2.

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