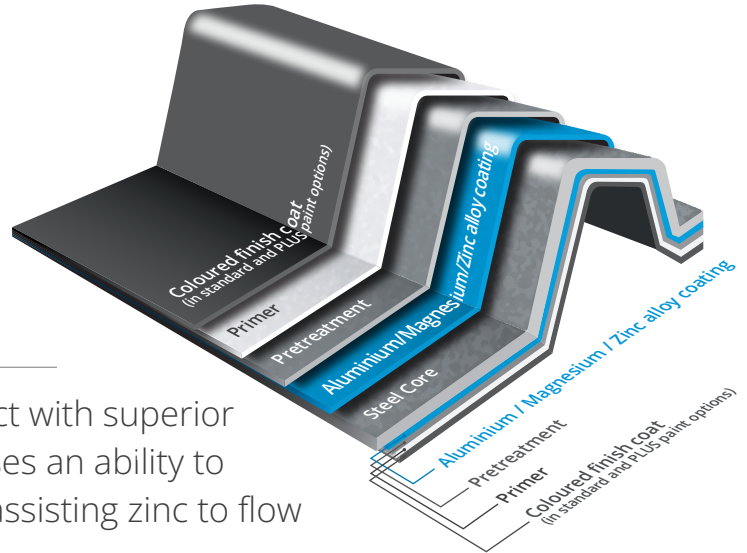


MagnaFlow™



Description

MagnaFlow™

A highly durable and formable AM product with superior corrosion resistance, MagnaFlow possesses an ability to 'self-heal' due to magnesium in the alloy assisting zinc to flow and protect cut edges.

Conforms to AS/NZS 2728:2013.

Complies with Building Code B2 Durability Clause B.2.3.1(b) and (c) by meeting the required minimum performance standards. Not subject to any warning or ban under Section 26 of the Building Act 2004.

Substrate	Hot-dipped Aluminium / Magnesium / Zinc alloy coated steel coil.
Pre-treatment	Corrosion resistant conversion coating.
Primer coat	A flexible corrosion resistant primer on both sides.
Finish coat	Two options are available: Standard: A flexible exterior acrylic or modified polyester coating. PLUS: Chemically resistant thermosetting waterborne acrylic.
Backing coat	Grey polyester wash coat. Double sided finish coat option available.

Recommended end uses

ColorCote® MagnaFlow™ is suitable for exterior and interior uses in ISO 9223:2012 Environmental Categories 1–4 for: Roofing and Roofing Accessories, Wall Cladding, Rainwater Goods. If MagnaFlow is to be used in Environmental category 5, then this must be discussed and pre-approved by Pacific Coilcoaters.

Product Range Options:

- **Strippable film:** ColorCote MagnaFlow can be supplied with an optional strippable protective film.
- **Width and thickness availability** Width. 273mm to 1221mm. Thickness. 0.40mm, 0.50mm, and 0.55mm.

PLEASE NOTE: This Product Information Sheet does not warrant MagnaFlow for all purposes. Please make use of the Warranty Enquiry Form on the ColorCote website www.colorcote.co.nz

Manufactured in Aotearoa New Zealand from local and imported materials.

ColorCote® is a registered trademark of Fletcher Steel Ltd. MagnaFlow™ is a trademark of Fletcher Steel Ltd. NZBN 9429037626563. Pacific Coilcoaters is a trading division of Fletcher Steel Limited, a Fletcher Building Limited business. 968 Great South Road, Penrose, Auckland 1061. www.colorcote.co.nz

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Product attributes

Property	Test & Evaluation Methods, Standards Employed	Results
Adhesion		
Reverse Impact	AS/NZS 2728:2013 (App. E)	≥10 Joules
T-bend	AS/NZS 2728:2013 (App. F)	Maximum 6T
Specular Gloss		
60° meter	ASTM D523-14	Nominal 25 ±10 units, low gloss option available on some colours
Painted film hardness		
Pencil	AS/NZS 1580.405.1	HB or harder
Solvent Resistance	ASTM D5402-15	Exceeds 50 double rubs
Scratch Resistance	ASTM D5178-13	Needle carrying 2000g. No marking evident
Resistance to corrosion		
Salt spray	AS/NZS 1580.481.1.9, AS/NZS 2728:2013	Meets the requirements of Sections 2.10, and Table 2.6 of AS/NZS 2728:2013
Outdoor Exposure (Rainfall Washed)	AS/NZS 1580.481.1.9, AS/NZS 2728:2013	Meets the requirements of Sections 2.8, and Table 2.3 of AS/NZS 2728:2013
Resistance to colour fade		
QUV (2000hrs)	AS/NZS 1580.601.4, AS/NZS 2728:2013	Meets the requirements of Sections 2.8, and Table 2.4 of AS/NZS 2728:2013
Outdoor Exposure (Rainfall Washed)	AS/NZS 1580.601.4, AS/NZS 2728:2013	Meets the requirements of Sections 2.8, and Table 2.4 of AS/NZS 2728:2013
Resistance to humidity		
Cleveland (500 hours)	AS/NZS 1580.408.4, AS/NZS 1580.481.1.9	Meets the requirements of Sections 2.9, and Table 2.5 of AS/NZS 2728:2013
Resistance to fire		
Exposure	ISO 5660:2002	Group 1-S. Complies with the the NZBC paragraph A1.3

For information regarding specific standards of Test Evaluations, please contact ColorCote on 0800 279 979 or email enquiries@colorcote.co.nz

Please refer to The NZ Metal Roofing Manufacturers' Code of Practice for comprehensive installation and rollforming recommendations. For further general information including recommended areas of use, performance, storage, site practice, fastenings, and maintenance, please refer to the MagnaFlow™ Technical Information bulletin.

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