

MagnaFlow™



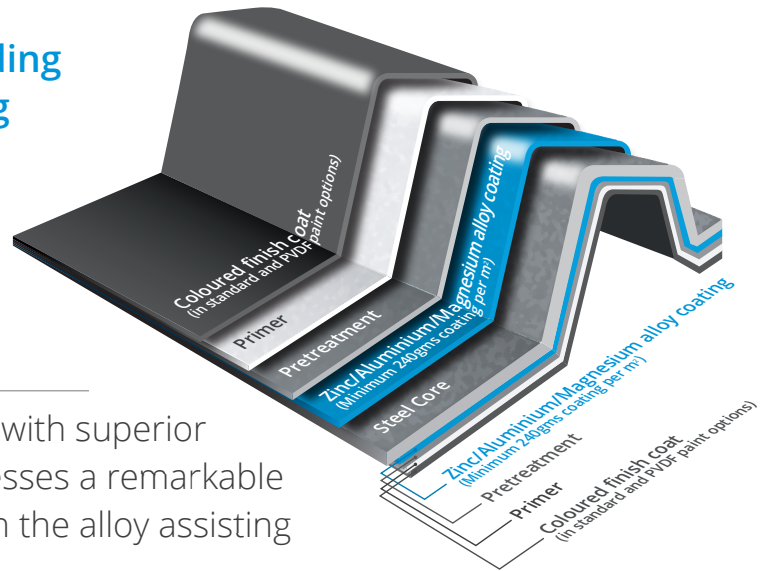
The ideal choice for more demanding environments, particularly roofing and cladding in Severe Marine environments (ISO 4).

MagnaFlow™

Description

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

Conforms to AS/NZS 2728:2013.



Substrate	Hot-dipped Zinc/Aluminium/Magnesium alloy coated steel coil. Alloy coating weight; Min 240gms/m ² .
Pre-treatment	Corrosion resistant conversion coating.
Primer coat	A flexible corrosion resistant primer on both sides. Nominal thickness is 5µ ± 1µ.
Finish coat	Two options are available Standard: A flexible exterior acrylic or modified polyester coating (nominal thickness, 18µ ± 1). PVDF: Chemically resistant 70% Polyvinylidene Fluoride coating (nominal thickness, 20µ ± 2µ).
Backing coat	Grey polyester wash coat. Nominal thickness is 5µ ± 1µ.

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

Product Range Options:

- **Strippable film:** ColorCote MagnaFlow can also be supplied with an optional strippable protective film, at extra cost.
- **Width and thickness availability** Width. 610mm to 1221mm. Thickness. 0.40mm, 0.50mm, and 0.55mm
- **Double-side coated product** Pacific Coilcoaters can provide double-side coated product at extra cost, and according to the customer's requirements.

PLEASE NOTE: This datasheet does not warrant MagnaFlow for all purposes. Please make use of the Warranty Enquiry Form on the ColorCote website 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

Installation of MagnaFlow

Please refer to The NZ Metal Roofing Manufacturers' Code of Practice for comprehensive installation recommendations.

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