

# Data Sheet

## MagnaFlow™



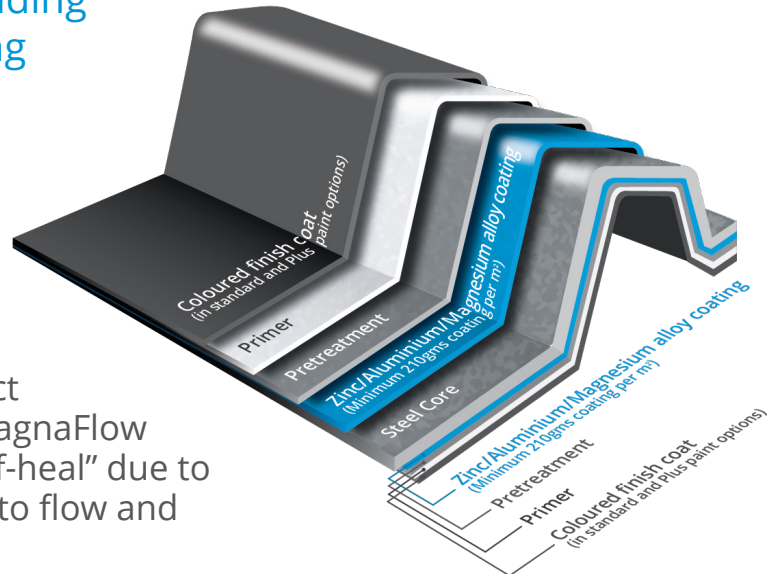
The ideal choice for more demanding environments, particularly roofing and cladding in severe marine environments (ISO 4).

## 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



<b>Substrate</b>	Hot-dipped Zinc/Aluminium/Magnesium alloy coated steel coil. Alloy coating weight; Min 210gms/m <sup>2</sup> .
<b>Pre-treatment</b>	Corrosion resistant conversion coating.
<b>Primer coat</b>	A flexible corrosion resistant primer on both sides. Nominal thickness is 5µms ± 1µms.
<b>Finish coat</b>	Two options are available <i>Standard:</i> An advanced durable polyester coating (nominal thickness, 18µms ± 1). <i>PVDF:</i> Chemically resistant 70% Polyvinylidene Fluoride coating (nominal thickness, 20µms ± 2µms).
<b>Backing coat</b>	Grey polyester wash coat. Nominal thickness is 5µms ± 1µms.

### Recommended end uses

ColorCote® MagnaFlow™ is suitable for exterior and interior uses in ISO 9223:2012 Environmental Categories 1–4 for: Roofing and 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.



## Product Attributes

Property	Test Method	Results
<b>Adhesion</b>		
Reverse Impact	AS/NZ 2728:2013 (App E)	≥ 10 Joules
T-Bend	AS/NZ 2728:2013 (App F)	Maximum 6T
<b>Specular Gloss</b>		
60° Meter	ASTM D523-14	Nominal 25 ± 10 units <i>available on some colours</i>
<b>Painted Film Hardness</b>		
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
<b>Resistance to Corrosion</b>		
Salt Spray	AS/NZS 1580.481.1.9, AS/NZS 2728:2013	Meets the requirements of Sections 2.10 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 of AS/NZS 2728:2013
<b>Resistance to Humidity</b>		
Cleveland (500 hours)	AS/NZS 1580.408.4, AS/NZS 1580.481.1.9	Meets the requirements of Sections 2.9 of AS/NZS 2728:2013
<b>Resistance to Colour Change</b>		
QUV (2000hrs)	AS/NZS 1580.601.4, AS/NZS 2728:2013	Meets the requirements of Sections 2.8 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 of AS/NZS 2728:2013
<b>Resistance to Fire</b>		
Exposure	ISO 5660:2002	Group 1-S. Complies with the NZBC paragraph A1.3

PLEASE NOTE: This datasheet does not warrant MagnaFlow for all purposes. Please make use of the Warranty Enquiry Form at [www.colorcote.co.nz/aus/magnaflow](http://www.colorcote.co.nz/aus/magnaflow)

## Installation of MagnaFlow

Please refer to the SA: NB2017 for comprehensive installation recommendations.