

# Building Product Information Sheet

## MagnaFlow™ FleeceCote

### Description

**MagnaFlow™** highly durable and formable product with superior corrosion resistance, the magnesium in MagnaFlow's alloy assists the zinc to flow and protect cut edges.

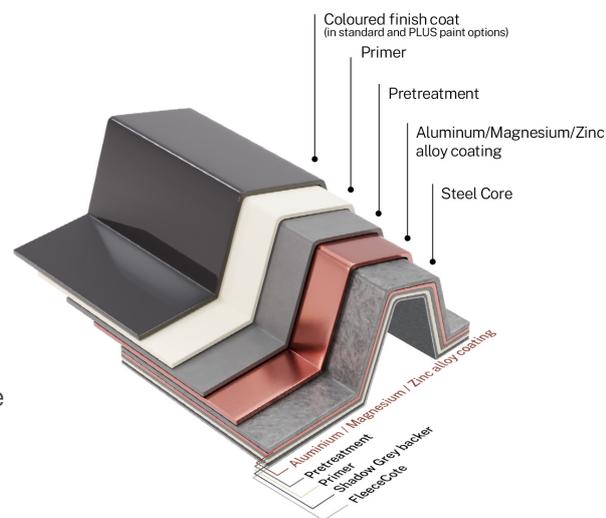
**FleeceCote™** is a fleece membrane applied to the underside of metal roofing coil prior to being supplied to rollformers. It absorbs condensation and prevents dripping, eliminating the need for separate underlays—a solution for commercial and non-residential builds.

Conforms to AS/NZS 2728:2013.

Complies with the New Zealand Building Code (NZBC):

- Clause B2 Durability: Meets performance requirements for durability of building elements.
- Clause C3 Fire: FleeceCote™ achieves Group 1-S rating (ISO 5660:2002).
- Clause E2 External Moisture: FleeceCote™ meets NZS 2295:2017 when tested to AS/NZS 4201.6:1994.

Not subject to any warning or ban under Section 26 of the Building Act 2004.



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

### Recommended end uses

**ColorCote® MagnaFlow™** is suitable for exterior and interior uses in ISO 9223:2012 Environmental Categories 1–5 for: Roofing and Roofing Accessories, Wall Cladding, Rainwater Goods.

**ColorCote® FleeceCote™** is only for use commercial and non-residential builds that fall within MagnaFlow's Environmental Categories 1–3. Adequate ventilation in accordance with the NZ Building Code is required to allow FleeceCote® to dry and perform as intended.

### Product Range Options:

- **Strippable film:** ColorCote® MagnaFlow™ can be supplied with an optional strippable protective film.
- **Width and thickness availability** Width. 940mm to 1221mm. Thickness. 0.40mm and 0.55mm.
- **FleeceCote™ profile applications** can be supplied to trapizoidal and corrugate profiles.
- **FleeceCote Thickness availability** <3mm

**PLEASE NOTE: This Product Information Sheet does not warrant MagnaFlow™ FleeceCote™ for all purposes. Please make use of the Warranty Enquiry Form on the ColorCote® website [www.colorcote.co.nz](http://www.colorcote.co.nz)**

Manufacturer: Fletcher Steel Limited trading as ColorCote®.  
ColorCote® is a registered trademark of Fletcher Steel Ltd. MagnaFlow™ & FleeceCote™ are trademarks of Fletcher Steel Ltd, a Fletcher Building Limited business.

NZBN: 9429037626563

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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 NZBC paragraph A1.3

\*C3 Fire: FleeceCote™ meets Group 1-S rating (ISO 5660:2002) .

\*E2 External Moisture: FleeceCote™ meets NZS 2295:2017 when tested to AS/NZS 4201.6:1994.

### FleeceCote™ Properties

Absorbancy	FleeceCote™ Weight	FleeceCote™ Warranty	Bacterial Growth Index
Up to 1000ml/m <sup>2</sup>	110g/m <sup>2</sup>	15-year warranty on fleece adhesion and absorbancy	0

### Accreditations

- ColorCote® products are manufactured under ISO 9001:2015 quality systems.
- FleeceCote™ is globally certified and widely used in NZ for condensation control. FleeceCote™ products are manufactured under ISO 9001:2015 quality systems.

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.

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