



**ORIGINAL AND
PROVEN PERFORMANCE**

Zincalume[®]



THE PROVEN ALUMINIUM-ZINC COATED STEEL FOR LONG-LASTING, ROBUST PERFORMANCE

Not all coated steels are built to endure Malaysia's demanding climate - but ZINCALUME® steel is.

Backed by Australian innovation and decades of proven performance in local projects, ZINCALUME® steel has been rigorously tested to withstand Malaysia's harsh weather and the test of time.

NOT ALL COATED STEELS ARE CREATED EQUAL

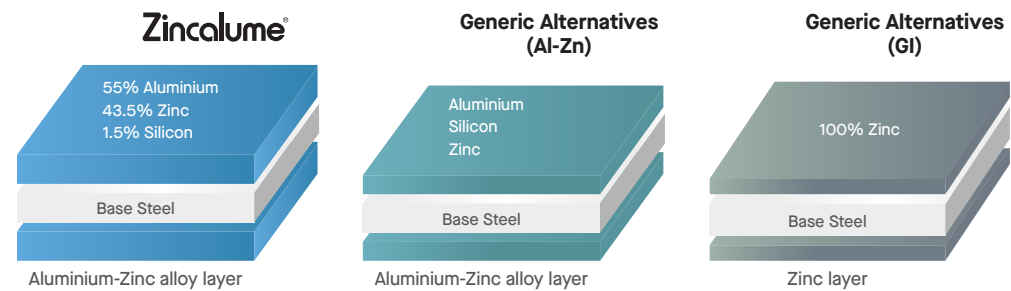




ENGINEERED FOR EXCELLENCE

Every detail of ZINCALUME® steel is engineered with precision and purpose - the hallmark of original quality, made exclusively by BlueScope.

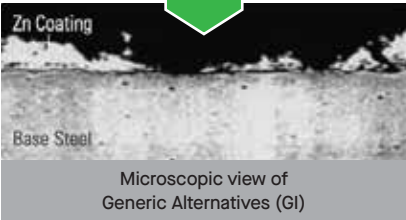
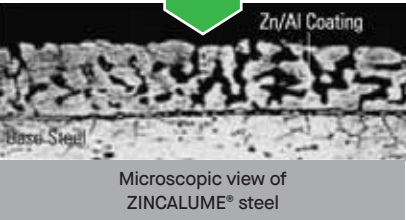
As the first to manufacture Aluminium-Zinc alloy coated steel under the ZINCALUME® trademark in 1976, BlueScope continues to set the benchmark. With proprietary surface treatment technology, guaranteed material strength, and world-class alloy coating standards, ZINCALUME® steel delivers consistent, long-lasting performance you can trust.



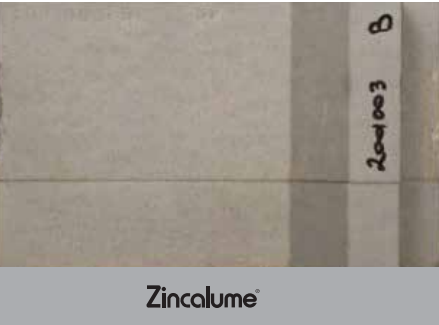
	ZINCALUME® steel	Generic Alternatives (Al-Zn)	Generic Alternatives (GI)
Coating composition	55% Aluminium, 43.5% Zinc and 1.5% Silicon with optimum microstructure to deliver superior corrosion resistance performance.	Compromised performance due to unidentifiable coating composition and microstructure	99% Zinc which does not provide long term galvanic protection
Surface coating consistency	Produced with AZ150 coating mass, i.e. not less than 60g/m ² or 16µm coating thickness* on each steel surfaces, for consistent and even weathering performance. A higher coating mass of AZ200 is also available.	Inconsistent coating mass and coating thickness hence often produces inconsistent and unpredictable weathering performance	
*In accordance to Australian Standard, AS 1397			

EXCELLENT CORROSION RESISTANCE

ZINCALUME® steel in excellent condition after years of exposure, in an industrial environment.



Images used are for reference only



Corrosion Performance of Coated Steel After 5 Years at a Severe Marine Site (Bellambi Point, Australia).
Test conducted in accordance with AS/NZS 1580.457:1 standard.

Corrosion Rate Comparison Table*

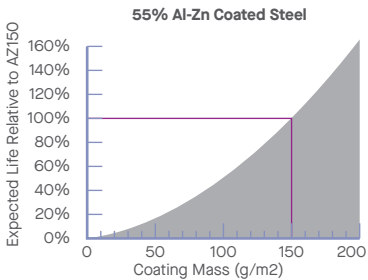
Site	ZINCALUME® steel		Generic Alternatives (GI)	
	g/m²/y	µm/y	g/m²/y	µm/y
Severe Marine	16	2.2	140	9.8
Marine	4.0	0.54	18	1.3
Industrial/Marine	4.2	0.57	20	1.4
Rural	1.3	0.17	4	0.28
			g/m² - two sided	µm - one side

*Tested in Australia Outdoor Exposure Sites

Disclaimer: The comparison results only applied to this particular product and do not represent all products available in the market. The images of the tested steel samples in this brochure have been digitally adjusted to represent the actual appearance of the steel plates as accurate as possible.

GUARANTEED COATING MASS

The lifespan of metallic coated steel largely depends on the amount of alloy applied to the steel surface. A higher coating mass offers better corrosion resistance.



Data available in D.J. Willis, Galvatech 1998

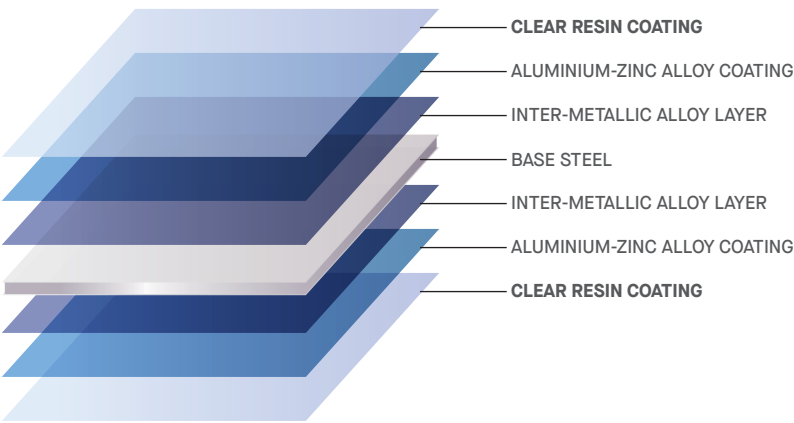
Zincalume® steel	Generic Alternatives
Excellent corrosion resistance performance: resist perforation for at least 30 years under most of the environment conditions**	Unpredictable corrosion resistance performance due to unknown coating mass
* Thicker metallic coating ** When used for roofing application in accordance with BlueScope's recommended installation, detailing and preventive maintenance guidelines	

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SURFACE MARKING RESISTANCE

What sets BlueScope's proprietary surface treatment technology apart is its unique formula and the precise process of applying a clear resin onto ZINCALUME® steel. This protective layer helps resist surface marking, including those caused by handling and foot traffic during roof sheet installation.



EVEN GREATER RESISTANCE TO WEATHERING

BlueScope's proprietary surface treatment technology is the secret behind the superior weathering performance: ZINCALUME® steel continues to look like new for longer.



- A Zincalume®
- B Generic Alternatives

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BRANDING TEXT FOR ASSURANCE OF PRODUCT AUTHENTICITY AND TRACEABILITY

To help you identify genuine ZINCALUME® steel made exclusively by BlueScope, look for the branding text on the reverse side of each sheet.

This distinct marking includes the ZINCALUME® steel brand name, along with the production date and time, ensuring easy identification and full traceability.

It is a mark of authenticity and a reflection of BlueScope's unwavering commitment to quality.



WARRANTY ASSURED BY BLUESCOPE

It is through real-world testing and proven outdoor performance that ZINCALUME® steel confidently offers reliable protection with:

- 25 years* warranty against perforation from corrosion for AZ150.
- 30 years* of warranty for AZ200.

*Warranty terms and conditions apply.





NS BlueScope Malaysia Sdn. Bhd.
199101012824 (223136-P)

Level 11, Tower 8, UOA Business Park,
No.1, Jalan Pengaturcara U1/51A,
Seksyen U1, 40150 Shah Alam,
Selangor Darul Ehsan.

+603 5022 1000

+603 5022 1001

enquiries.malaysia@bluescope.com

www.nsbluescope.com/my

NS BlueScope Malaysia



Certified to AS/NZS2728 : 1997
Certification No.: P9030302



Certified to MS2383 : 2020
Certification No.: PC001163



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Scan now for more information
on ZINCALUME® steel

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