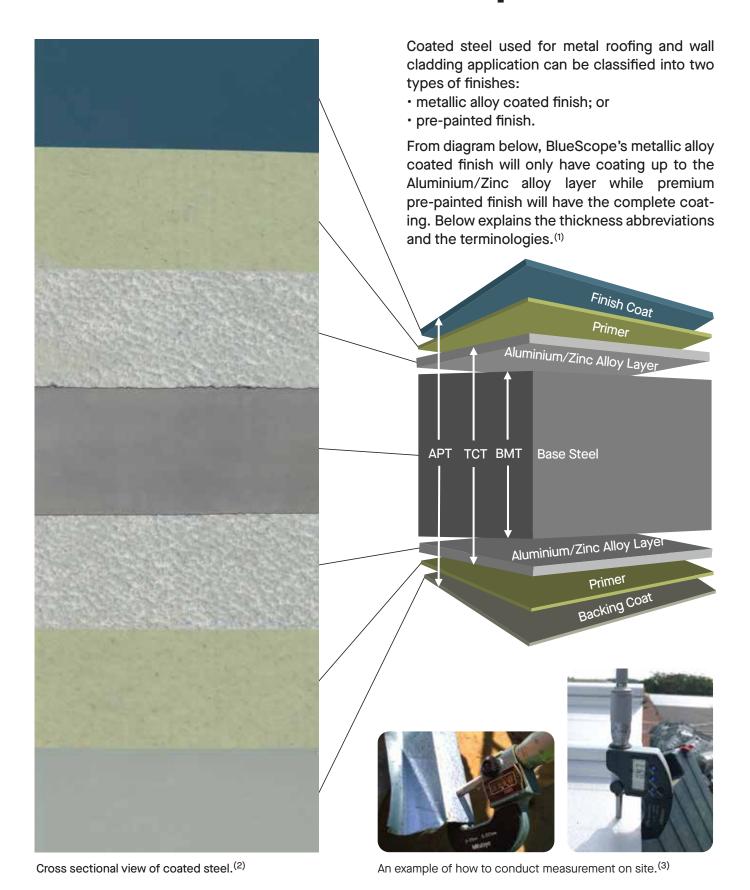




Colerbond Zincolume TrueCore

Does the Thickness Add Up?



Notes:

- 1. BMT Base Metal Thickness; TCT Total Coated Thickness; APT After Painted Thickness.
- 2. Sample is for illustration purpose only and the ratio of layers is not to scale and not proportional to actual product.
- 3. The thickness after metallic coating is known as TCT, and the thickness after painting on the metallic coated steel, known as APT. Both thickness can be measured using a micrometer.

Impact of Insufficient Base Metal Thickness (BMT)



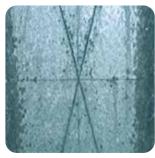


The recommended minimum base metal thickness for steel roofing is 0.42mm as specified in JKR Standard Specifications for Building Works 2020 (Section G Roofing Works, Clause 6.1.2) and NCC 2015 Building Code of Australia - Volume Two (Figure 3.5.1.5).

Effects of Different Metallic Alloy Coating Thickness (4)







have longer lifespan. Metallic alloy type is also a key factor, i.e. Type "AZ" coating has significantly longer lifespan than Type "Z" coating (GI).

Tests show higher metallic alloy coating thickness will

Z120 Z220 ZINCALUME® steel





Poor control of paint thickness during coil painting process will result in paint peels off and inconsistent colour fading.

Summary of BlueScope Product Thicknesses (5)

Thicknesses in millimetres

Brand	COLORBOND® steel (AZ150)				COLORBOND® ULTRA steel (AZ200)				ZINCALUME® steel (AZ150)				TRUECORE® steel (AZ150)			
ВМТ	0.35	0.42	0.48	0.55	0.35	0.42	0.48	0.55	0.35	0.42	0.48	0.55	0.45	0.50	0.75	1.00
TCT ⁽⁶⁾	0.40	0.47	0.53	0.60	0.41	0.48	0.54	0.61	0.40	0.47	0.53	0.60	0.50	0.55	0.80	1.05
APT	0.43	0.50	0.56	0.63	0.44	0.51	0.57	0.64	-	-	-	-	-	-	-	-

For your convenience, scan the QR codes for more information.





Zincalume



TrueCore



Notes:

- 4. Samples went through 500 hours Salt Spray Test (SIRIM Test Reports References: 2007KL0045 and 2008KL1064).
- 5. Subjected to thickness tolerance in accordance to requirements of AS/NZS 1365 and AS/NZS 2728.
- 6. According to AS 1397 Table C2, approximate coating thickness of AZ150 is 0.05mm; AZ200 is 0.06mm.



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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.