

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

T +603 5022 1000 F +603 5022 1001

E enquiries.malaysia@bluescope.com

W www.bluescope.com.my

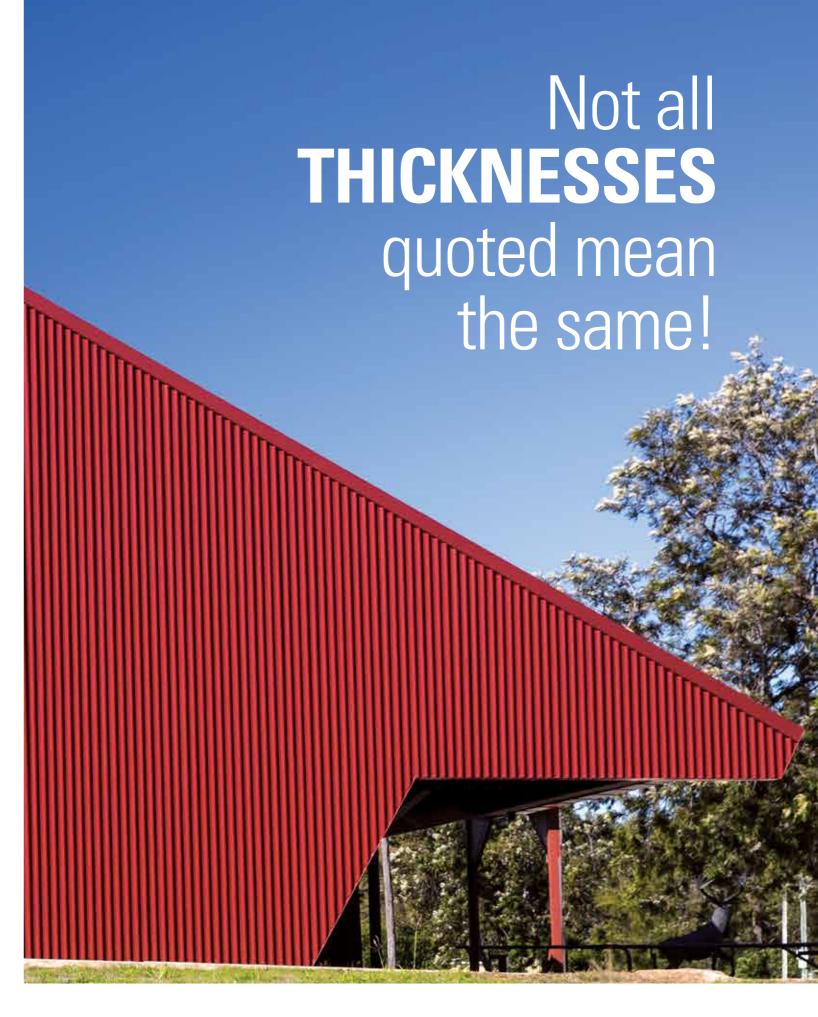
Customer Care Line: 1 300 88 6288

The information contained in this booklet is of a general nature only, and has not been prepared with your specific needs in mind. You should always obtain specialist advice to ensure that any materials, approaches and techniques referred to in this booklet meet your specific requirements.

NS BlueScope Malaysia makes no warranty as to the accuracy, completeness or reliability of any estimates, opinions or other information contained in this booklet, and to the maximum extent permitted by law, NS BlueScope Malaysia disclaims all liability and responsibility for any loss or damage, direct or indirect, which may be suffered by any person acting in reliance on anything contained in or omitted from this document. COLORBOND®, ZINCALUME® and TRUECORE® are registered trade marks of BlueScope Steel Limited.

BlueScope is a registered trade mark of BlueScope Steel Limited.

Copyright © 2019 NS BlueScope Malaysia Sdn. Bhd. All rights reserved. No part of this booklet may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the written permission of NS BlueScope Malaysia Sdn. Bhd.



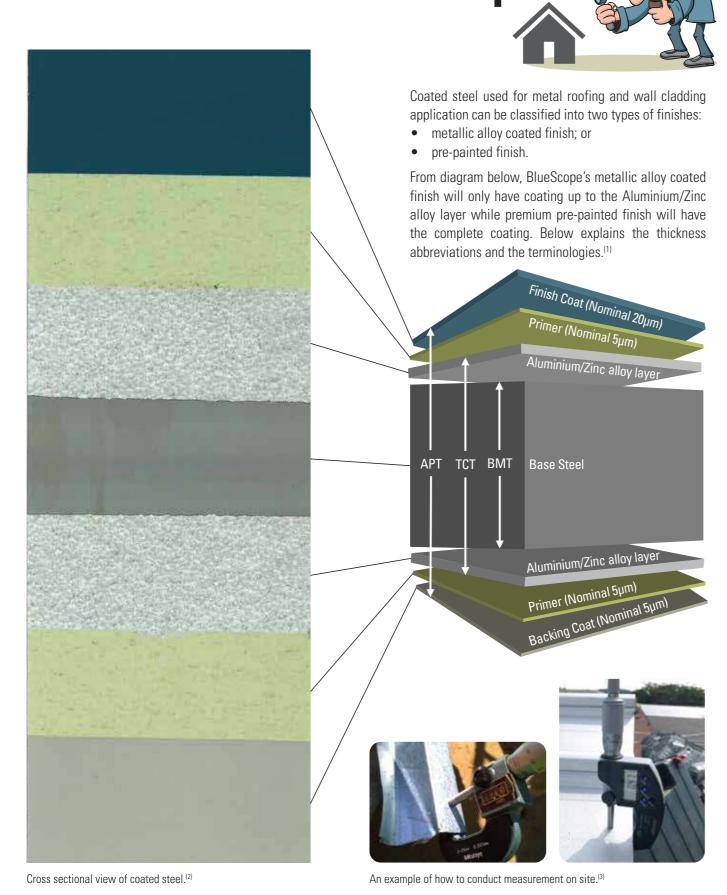




Zincalume°

TrueCore®

Does the thickness add up?



Notes

- BMT Base Metal Thickness; TCT Total Coated Thickness; APT After Painted Thickness.
- Sample is for illustration purpose only and the ratio of layers is not to scale and not proportional to actual product.
- 3. The finished product thickness, depending on the type of finishes, TCT or APT, can be measured on site using micrometer screw gauge. To determine thickness of individual layers, lab measurement is required.

Impact of Insufficient Base Metal Thickness (BMT)





The recommended minimum base metal thickness (steel) for roofing is 0.42mm as specified in JKR Standard Specifications for Building Works 2014 (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⁾







Tests show higher metallic alloy coating thickness will 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).

Effects of Low and Inconsistent Paint Thickness





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)			
BMT	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.