


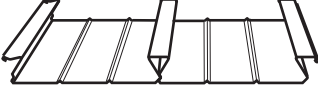

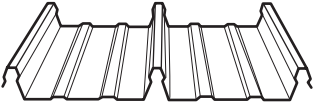







2.13 Specifications - roofing

Table 2.3.1
Specifications of roofing & walling profiles

	BMT mm	Mass ¹ kg/m ²	Width overall approx. mm	Cover width mm	Rib depth mm	Roof pitch minimum ² degrees	Maximum recommended spacing of supports								
							ROOFS					WALLS			Over- hang mm
							Single	End	Internal	Eaves Overhang ³		Single	End	Internal	
mm	mm	mm	Unstiff- ened mm	Stiff- ened mm	mm	mm	mm	mm	mm	mm					
CUSTOM ORB ⁴ 	0.42	4.3	838	762	16	5° (1 in 12)	700	900	1200	200	300	1800	2500	2700	200
	0.48	4.9	838	762	16	5° (1 in 12)	800	1300	1700	250	350	1800	2700	2700	250
CUSTOM BLUE ORB ⁴ 	0.60	6.1	838	762	17	5° (1 in 12)	1600	1600	1800	200	300	2400	3000	3300	200
	0.80	8.0	838	762	17	5° (1 in 12)	1800	1800	2600	400	600	2400	3200	3600	400
FLATDEK ⁵ 	0.42	6.0	272	250	45	2° (1 in 30)	2000	2600	3000	-	-	-	-	-	-
FLATDEK II ⁵ 	0.42	5.2	642	620	45	2° (1 in 30)	2400	2800	3200	-	-	-	-	-	-
INTEGRITY 820 	0.42	4.6	895	820	48	2° (1 in 30)	2100	2300	2800	150	300	2600	3400	3600	150
	0.48	5.2	895	820	48	1° (1 in 50)	2500	2550	3050	200	350	2700	3600	3600	200
KLIP-LOK 406 	0.48	5.6	432	406	41	1° (1 in 50)	1500	1800	2100	200	600				
KLIP-LOK 700 HI-STRENGTH 	0.42	4.7	710	700	43	2° (1 in 30)	1650	1750	2200	150	450	2600	3200	3850	150
	0.48	5.3	710	700	43	1° (1 in 50)	2050	2350	2800	200	500	3000	3450	3900	200
	0.60	6.6	710	700	43	1° (1 in 50)	2350	3000	3600	250	550	3300	3600	3900	250
LONGLINE 305 (not tapered) 	0.70	9.7	310	305	48	1° (1 in 50)	1800	2000	2500	150	450	-	2700	2700	450
SPANDEK ⁶ 	0.42	4.7	754	700	24	3° (1 in 20)	1300	1800	2400	300	600	2500	3000	3300	300
	0.48	5.3	754	700	24	3° (1 in 20)	2000	2200	3000	400	700	3000	3000	3300	400
SPANRIB 	0.42	4.6	895	820	48	2° (1 in 30)	2100	2300	2800	150	300	2600	3400	3600	150
	0.48	5.2	895	820	48	1° (1 in 50)	2500	2550	3050	200	350	2700	3600	3600	200
TRIMDEK 	0.42	4.3	816	762	29	2° (1 in 30)	1100	1300	1900	150	300	2400	3000	3000	150
	0.48	4.9	816	762	29	2° (1 in 30)	1600	1850	2600	200	350	2700	3000	3000	200

¹ Masses are for unpainted ZINCALUME steel.

² See Section 2.5.

³ See Section 10.6 for explanation of 'stiffened'.

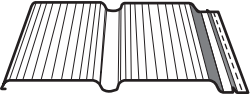
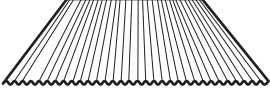





⁴ With 5 fasteners per sheet, per support

⁵ FLATDEK & FLATDEK II are Home Improvement profiles. Please refer to the brochures for more installation details..

⁶ With 4 fasteners per sheet, per support

2.14 Specifications - walling

Table 2.3.2
Specifications of profiles for walling only

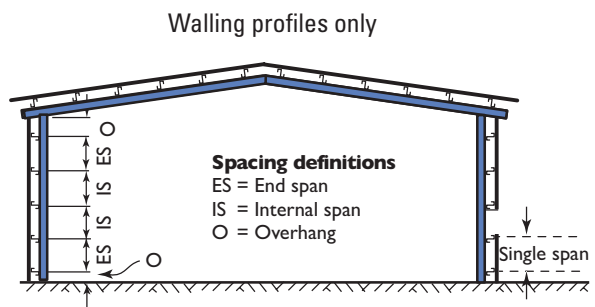
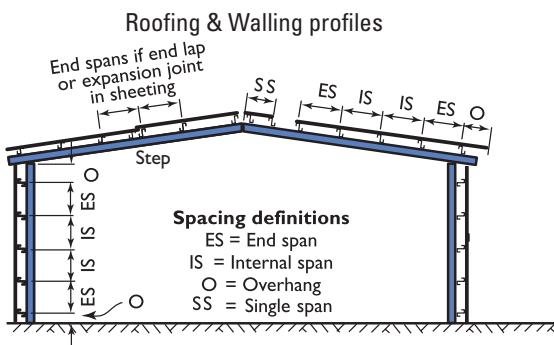
	BMT mm	Mass ¹ kg/m ²	Width overall approx. mm	Cover width mm	Rib depth mm	Maximum recommended spacing of wall supports			
						Single mm	End mm	Internal mm	Overhang mm
EASY-CLAD 	0.42	4.5	330	300	19	-	1500	1500	100
MINI ORB⁷ 	0.42	4.0	841	820	6	1200	1500	1500	100
	0.48	4.5	841	820	6	1500	1500	1500	125
MULTICLAD 	0.35	3.3	880	840	12	1400	1800	1800	150
	0.42	3.9	880	840	12	1700	1800	1800	150
PANELRIB⁶ 	0.35	3.2	915	850	4	1100	1200	1200	150
	0.42	3.7	915	850	4	1200	1200	1200	150
TRIMWALL 	0.35	3.6	816	762	29	2100	2900	3000	150
WALLCLAD⁴ 	0.35	3.6	838	762	16	2100	2400	2400	150
WEATHERBOARD 	0.42	4.1	272	260	12	-	1000	1000	n/a

¹ Masses are for unpainted ZINCALUME steel.

⁴ With 5 fasteners per sheet, per support

⁶ With 4 fasteners per sheet, per support

⁷ With 6 fasteners per sheet, per support



Date of Issue September, 2010

This Guide is the 2010-11 edition of the LYSAGHT Roofing & Walling Manual, issued on September, 2010. BlueScope Steel and BlueScope Lysaght may make changes to this Guide in its sole discretion. You should check you are using the most up-to-date version of the Guide before you start construction.

Conditions of Use

If you use this Guide, you acknowledge and agree that your use is subject to the terms and conditions in this Guide. BlueScope Steel, its agents, officers, employees, sub-contractors or consultants make no representations, either expressed or implied, as to the suitability of the information and data in this Guide for your particular purposes. It's your responsibility to ensure the design you use is appropriate for your needs, the products you have purchased, your site and structural limitations and your building and construction capabilities.

Use of Genuine Materials

Structures in this Guide should only be built or constructed using those genuine LYSAGHT® or recommended third party products. Except as otherwise provide in these terms, any warranties only apply to you (if at all) if you use the recommended genuine LYSAGHT® or third party products and method of construction.

Check Delivery

It is important that you check all materials delivered to site against your invoice before you use them in your building or construction to ensure all components have arrived, are of the appropriate quality and are ready for installation.

Limitation of Liability

By using this Guide, you accept the risks and responsibility for all losses, damages, costs and other consequences resulting directly or indirectly from using this Guide. To the maximum extent permitted by law, BlueScope Lysaght's liability (whether arising under statute, contract, tort (including negligence), equity or otherwise) to any persons whatsoever in respect of anything done or not done, arising directly or indirectly, by any such person in reliance, whether in whole or in part, on this Guide, is limited, at BlueScope Lysaght's option, to:

- (a) in the case of goods, the repair of the goods, the replacement of the goods or paying for the cost of repair or replacement of the goods; or
- (b) in the case of services, the resupply of services or paying for the cost of resupplying the services.

This publication is intended to be an aid for professional engineers in design matters, and builders or roofing contractors in relation to construction and is not a substitute for professional judgement.

Product Descriptions

All descriptions, specifications, illustrations, drawings, data, dimensions and weights contained in catalogues, price lists, or other advertising matter of BlueScope Lysaght or elsewhere are approximations only. They are intended by BlueScope Lysaght to be a general description for information and identification purposes and do not create a sale by description. BlueScope Lysaght reserves the right at any time to:

- (a) manufacture and procure Goods with such minor modifications from its drawings and specifications as it sees fit; and
- (b) alter specifications shown in its promotional literature to reflect changes made after the date of such publication

GENERAL NOTES TO READ BEFORE YOU USE THIS GUIDE

This Guide has been prepared for a range of roofing and walling applications including water drainage systems, using products manufactured or supplied by BlueScope Lysaght.

The information in this booklet is suitable for use only in areas where a tropical cyclone is unlikely to occur as defined in AS/NZS 1170. 2:2002 Part 2: Structural Actions - Wind Actions (or if used outside Australia, to the equivalent standard).

Information on cyclonic performance may be found in our Cyclonic Area Design manual which is available on-line at www.lysaght.com.

All erection and connection details to be made in accordance with the relevant standard connection details drawing contained in this Guide.

We recommend you get professional advice to ensure your particular needs are adequately met.

a) Before you commence construction:

b) you should check with your local government authority to see if any form of prior permission or approval is required;

c) if you want to build or construct any attached structure, you should seek advice from a suitably qualified engineer to verify the capacity of your existing structure to withstand any additional load arising from the attached structure. You should also check with your local government authority to determine any specific requirements for the attachment to existing structures;

d) you should check with your local workplace health and safety authority to see what safety measures you need to put in place prior to and during construction. It is the responsibility of the installer/erector to ensure all local safe work practices are adhered to and the safety of the whole site is maintained at all times.

To ensure maximum lifespan of your building, consult your nearest BlueScope Lysaght branch for information regarding maintenance, handling, storage and any other technical assistance you may require.

Terms and conditions of sale are available at local BlueScope Lysaght sales offices.

Published by BlueScope Lysaght Limited
© BlueScope Lysaght Limited 2010

Lysaght Roofing and Walling Manual

Previously published as:

Lysaght Roofing & Walling Users Guide
Steel Roofing and Walling: Installation Manual, and
Using Lysaght Roofing and Walling