

IN ACCORDANCE WITH NCC VOLUME 2 (SECTION P3.10.1), THIS PRODUCT SATISFIES PERFORMANCE REQUIREMENTS P2.1.1 FOR CONSTRUCTION IN A HIGH WIND AREA.

4 PITCHES @ 75=300 TYP.

EASYCLAD: PAN FASTENED
HORIZONTAL OR VERTICAL WALL FIXING

FOR FASTENER SPECIFICATION REFER TO TABLE BELOW.

150mm FASTENER SPACING **300mm FASTENER SPACING**

TYP FINISHED FL. LEVEL FOR HORIZONTAL FIXING

SCREW NOTATION CODE: HH DENOTED - HEX. HEAD
T17 " - TYPE 17

WALL DESIGN CAPACITY TABLE
- ULTIMATE LIMIT STATE PRESSURE (kPa)

SPAN	FASTENER SPACING			
	300mm		150mm	
mm	SPANS			
	SINGLE	CONTINUOUS	SINGLE	CONTINUOUS
450	10.80	6.89	10.80	10.80
600	9.00	5.40	9.90	9.90
750	7.50	4.50	8.55	8.55
900	6.30	3.60	7.20	7.20

MAXIMUM SPAN TABLE

BUILDING HEIGHT	TERRAIN CATEGORY	K1	pz (kPa)	FASTENER SPACING			
				300mm		150mm	
				SINGLE	CONTINUOUS	SINGLE	CONTINUOUS
UP TO 5M	1	1	3.86	900	850	900	900
		1.5	4.79	900	700	900	900
		2	5.72	900	560	900	900
		3	7.58	740	N/A	850	850
	2	1	2.90	900	900	900	900
		1.5	3.60	900	900	900	900
		2	4.30	900	880	900	900
		3	5.69	900	570	900	900
	2.5	1	2.65	900	900	900	900
		1.5	3.29	900	900	900	900
		2	4.93	900	840	900	900
		3	5.90	900	630	900	900
3	1	2.41	900	900	900	900	
	1.5	2.99	900	900	900	900	
	2	3.57	900	900	900	900	
	3	4.73	900	710	900	900	
4	1	1.97	900	900	900	900	
	1.5	2.44	900	900	900	900	
	2	2.92	900	900	900	900	
	3	3.87	900	850	900	900	
UP TO 10M	1	1	4.39	900	760	900	900
		1.5	5.45	900	590	900	900
		2	6.51	870	480	900	900
		3	8.62	630	N/A	740	740
	2	1	3.50	900	900	900	900
		1.5	4.34	900	770	900	900
		2	5.19	900	630	900	900
		3	6.87	820	450	900	900
	2.5	1	2.96	900	900	900	900
		1.5	3.68	900	880	900	900
		2	4.39	900	760	900	900
		3	5.82	900	550	900	900
3	1	2.41	900	900	900	900	
	1.5	2.99	900	900	900	900	
	2	3.57	900	900	900	900	
	3	4.73	900	710	900	900	
4	1	1.97	900	900	900	900	
	1.5	2.44	900	900	900	900	
	2	2.92	900	900	900	900	
	3	3.87	900	850	900	900	

Product Name
EASYCLAD EH300: WALLING FOR CYCLONIC REGIONS

Product Description
0.55 BMT G300 AM125 & COLORBOND
AS 1397: 2011 & AS/NZS 2728: 2007

Manufacturer's Name
BLUESCOPE LYSAGHT
BlueScope Steel Limited
A.B.N. 16 000 011 058
Trading as BlueScope Lysaght



Design Criteria
THE FOLLOWING CRITERIA FROM AS/NZS 1170.2:2011, STRUCTURAL DESIGN ACTIONS PART 2: WIND ACTIONS HAVE BEEN USED TO GENERATE THE MAXIMUM SPAN TABLE.

1. IMPORTANCE LEVEL 2 WITH RETURN PERIOD OF 500 YEARS
2. $V_R = 66$ m/sec, $F_c = 1.05$
3. $M_s = M_t = M_d = 1.0$
4. $C_{pe} = -0.65$; $C_{pi} = +0.7$
5. $K_c = 0.9$
6. HEIGHT MULTIPLIERS FROM TABLE 4.1 - AS/NZS 1170.2: 2011. STRUCTURAL DESIGN ACTIONS PART 2: WIND ACTIONS.

HEIGHT (m)	TERRAIN / HEIGHT MULTIPLIER (M_z, cat)				
	1	2	2.5	3	4
≤ 5	1.05	0.91	0.87	0.83	0.75
≤ 10	1.12	1.00	0.92	0.83	0.75

Limitations

1. THE DATA IN THIS SHEET SHALL BE APPLICABLE TO EASYCLAD EH300 WALLING ONLY. PROFILE DIMENSIONS OF EASYCLAD EH300 AS SUPPLIED FOR INSTALLATION SHALL COMPLY WITH EASYCLAD EH300 PRODUCT DRAWINGS AS DEVELOPED BY BLUESCOPE LYSAGHT.
2. WALL DESIGN CAPACITY TABLE & MAXIMUM SPAN TABLE HAVE BEEN DEVELOPED FOR TIMBER SUPPORTS & STEEL SUPPORTS 0.75mm BMT OR THICKER.
3. MAXIMUM SPAN TABLES ARE BASED ON THE FOLLOWING PARAMETERS:
MAXIMUM ROOF HEIGHT = 10m
4. MAXIMUM UNSUPPORTED OVERHANG SHALL BE 100mm.
5. P_z PRESSURE IN THE TABLES SHALL BE INCREASED ACCORDING TO AS/NZS 1170.2:2011 STRUCTURAL DESIGN ACTIONS PART 2: WIND ACTIONS. IN THE CASE OF:
- ELEVATED BUILDING ALLOWING FOR AIR FLOW UNDER
- $h/b > 1$ & $h/d > 1$.
6. INCREASE SCREW LENGTH OVER INSULATION TO MAINTAIN A MIN. OF 3 SCREW THREADS PROTRUDING FAR SIDE OF THE SUPPORT.
7. FOR STRENGTH GROUPS OF TIMBER, REFER TO AS 1720.2 : 2006
8. DESIGN TABLES ARE BASED ON TEST RESULTS IN ACCORDANCE TO AS4040.3 REQUIREMENTS FOR CYCLONIC TEST FOR SHEET WALL CLADDINGS.
9. NO PREBORED HOLES PERMITTED.
10. THE DATA IN THIS SHEET DOES NOT COVER BRACING CAPACITY OF EASY CLAD EH300. ENGINEERING ADVICE NEEDS TO BE OBTAINED, IF EASY CLAD EH300 IS TO BE USED FOR REPLACEMENT OF OLD SHEETS IN PREVIOUS BUILDINGS.

Accepted for Inclusion

DTCM ref: **M/250**

Chairman's Signature:

Chairman's Name: **STEPHEN J THRICH**

Date of Approval: **12/02/15** Expiry Date: **12/02/2020**

STEEL SUPPORTS - CLASS 4 : SELF DRILLING & SELF TAPPING HEX HEAD 'BUILDEX' SCREW WITH EPDM SEAL **TIMBER SUPPORTS** - CLASS 4 : SELF DRILLING HEX HEAD 'BUILDEX' SCREW WITH EPDM SEAL

LOCATION ON CLADDING	SINGLE & LAPPED THICKNESS: 0.75mm UP TO 1.0mm bmt. (total 2.0mm)	SINGLE THICKNESS: 1.0mm UP TO 3.0mm bmt.	LAPPED THICKNESS: 1.0mm UP TO 1.9mm bmt. (3.8mm TOTAL)	LOCATION ON CLADDING	HARDWOOD (STRENGTH GROUP J1-J3)	SOFTWOOD (STRENGTH GROUP J4)
PAN	#14 - 12 x 30 CYCLONIC ZIPS	#14 - 10 x 25 HH	#14 - 10 x 25 HH	PAN	#12 - 11 x 25 T17 HH	#14 - 10 x 39 T17 HH

Notes covering basis of DTCM sheet (Relevant test reports etc)

1. STATIC & CYCLONIC TESTING OF EASYCLAD EH300 0.55 BMT G300 WALL CLADDING TO AS 4040.2 & AS 4040.3 TEST REPORT. INDEX No 5.1.5 REPORT No1 - APRIL 2011. BLUESCOPE LYSAGHT No 27 STERLING RD. MINCHINBURY 2770 NSW - AUSTRALIA.
2. STATIC & CYCLIC FATIGUE WITHDRAWAL CAPACITIES OF SELF DRILLING SCREWS IN TIMBER SUPPORTS. INDEX No: 5.1.2 - REPORT 05 DECEMBER 2010. BLUESCOPE LYSAGHT No 27 STERLING RD, MINCHINBURY 2770 NSW - AUSTRALIA.

****Checking Engineers Certification**

Name: Stephen Healey
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Signature:
Date: **15.01.2015**
**registered as a structural engineer in Australia

****Certifying Engineers Certification**

Name: Alexander Filonov
NT Registration Number: 24332ES
Signature:
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**registered as a structural engineer in Northern Territory