COMPLIANCE SUMMARY REPORT / PRODUCT SPECIFICATIONS

CARLRAY VENEER TIES SIDE-FIXED MEDIUM DUTY Z600 R2 RATED COMPLY TO AS 2699.1:2020 & AS 3700:2018

Manufactured By

Carlray Pty Ltd 448 The Boulevarde Kirrawee N.S.W. 2232

Product: Code 83920

Type: A

Category of Tie: Veneer - Side Fixed Classification: Medium Duty Rated Cavity Width: 50mm

Durability Category: R0 R1 R2 Mild Fastening Requirements: 3.15 Galv Nail

Product Dimensions: 135mm x 18mm x .75mm



Test Results: Specimens Tested 6

Duty Classification	Mean Strength Kn					
Duty Classification	Tension	Compression				
Medium Duty	0.99	0.9				

Durability Class	Colour Code	Material
R2	Yellow	Z600

300gms/m² on each surface

Water Transfer Test	Vertical Offset = 0	Vertical Offset = 20mm
Up Position	Pass	Pass

Note: Ties must be installed in the up position, as per image.

Corrosion Zones for Masonry Strip Steel Veneer Ties - Material Z600 Galv									
Durability Class	Surf Coast	Sheltered Coast							
R2	>10km	>1km							

Note: The closer the construction is located to the sea the higher corrosive environment.

Installation and Spacings Requirements For Masonry Veneer Ties								
450 Stud Walls 600 Stud Walls Around Openings & I								
600mm x 450mm	600mm x 600mm	300mm x 300mm						

Note: Suitable for timber frames. The correct mortar mix is important to effectivity of strength in masonry construction.

Assessment / Overview

These ties comply, having been independently tested by the CSIRO. Carlray manufactures only with materials compliant to corrosivity categories & durability classes specified in the Australian Standard for Built-In Components for Masonry Construction A.S. 2699.1.2020 & Masonry Structures A.S. 3700.2018. Test reports & Material Certificate of Analysis for determining the coating thickness are available apon request.

Ph: 02 9542 4888 Email: info@carlray.com.au Web: www.carlray.com.au

TEST CERTIFICATE



Page 1 of 1 Certificate No. : 01116SPH/20 Transmission Date: 24/01/20

Customer:

STHNSCLLTB SOUTHERN SHEET & COIL P/L LLT 2 STEEL STREET

Accredited for compliance with ISO/IEC 17025 - Testing.

BANKSTOWN NSW 2200

Cust Order No: 22327 Supplier:

BlueScope Steel Limited PORT KEMBLA, NSW, AUSTRALIA A.B.N. 16 000 011 058 218840

MOI No:

Supplier MWS 26/11/2020 Printed At: on:

oertify that the original records of the company show that the item(s) referred to on this certificate conform to the specification as stated and that the product test results on this certificate supercede product test results on any other certificate.

R. MATHIESSEN - BLUESCOPE STEEL APPROVED SIGNATORY Mechanical LAB 0631 M. GATRICK - BLUESCOPE STEEL APPROVED SIGNATORY Chemical LAB 0632

PRODUCT: GALVABOND(R) G2 Z600

SPECIFICATION: AS 1397

CHEMICAL ANALYSIS (Chemical Analysis supplied by the Steelmaker. Basic Oxygen Steelmaking process.)

Item	Dimensions	PACK	NATA	CHEMICAL (CHEMICAL COMPOSITION PERCENT													
No	(mm)	No	Lab	HEAT No	C	P	Mn	SI	S	NI	Cr	Мо	Cu	Al-T	TI	Nb	B-T	V
05	0.65 x 1245	G70118	0632	7706839	.064	.013	.19	<.005	.011	.017	.032	.005	.049	.037	<.002	.001	<.0003	<.003

Item No	Dimensions (mm)	PACK No	NATA Lab	PERCENT				
NU	(min)	NO	Lau	HEAT No	Sn	N		
05	0.65 x 1245	G70118	0632	7706839	.003	.0043		

TENSILE TESTING

						Tensile	AS1391		
Item	Item PACK No Heat No		COIL/	NATA	Thick	ReL	Rm	ELONG	ATION
Item No	No PACK No Heat N	TEST No Lab	mm MP	MPa	MPa	Lo(mm)	%		
05	G70118	7706839	0118	0631	.65	379	412	80	32

COMMENTS

This isst certificate is issued subject to the Uncertainty of Results statement set out on BlueScope Steel's Website www.bluescopesteelconnect Uncertainty of Results statement. SAMPLING AND CHEMICAL ANALYSIS ARE PERFORMED IN ACCORDANCE WITH BLUESCOPE STEEL PROCEDURE DH-LABS-QS-00 \$05.07C MECHANICAL TESTING HAS BEEN PERFORMED ON SAMPLES SUPPLIED BY THE RELEVANT PRODUCTION DEPARTMENTS nect.com. In order to rely upon this certificate, you must read the