## **COMPLIANCE SUMMARY REPORT / PRODUCT SPECIFICATIONS**

CARLRAY VENEER TIES SIDE-FIXED LIGHT 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 83959

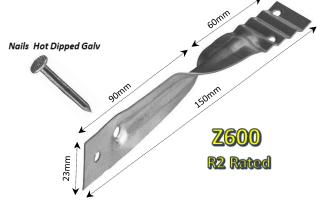
Type: A

Category of Tie: Veneer - Side Fixed

Classification: Light Duty Rated Cavity Width: 50mm

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

Product Dimensions: 150mm x 23mm x .75mm



Test Results: Masonry Research Centre Deakin University - Specimens Tested 10

Duty Classification	Mean Strength Kn					
Duty Classification	Tension	Compression				
Light Duty	0.69	0.76				

Durability Class	Colour Code	Material			
R2	Yellow	Z600			

300gms/m<sup>2</sup> 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 & Edges						
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 Deakin University Masonry Research Centre. Test reports and Material Certificate of Analysis for determining the coating thickness of galvanised wall ties are available on 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		DAGK NE LIGHT COIL/ NA		Thick	ReL	Rm	ELONG	ATION
Item No	lo PACK No Heat No	near NO	TEST No Lab	mm	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