

COMPLIANCE SUMMARY REPORT / PRODUCT SPECIFICATIONS

**CARLRAY SP VENEER TIES SIDE-FIXED MEDIUM DUTY 316 GRADE SS R4 RATED
COMPLY TO AS 2699.1:2019 & AS 3700:2018**

Manufactured By

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

Product: Code 83904

Type: A
Category of Tie: Veneer - Side Fixed
Classification: Medium Duty
Rated Cavity Width: 50mm
Durability Category: R4 Severe Marine
Fastening Requirements: 3.15 SS Nail
Product Dimensions: 135mm x 18mm x .75mm



Test Results: Building, Construction & Engineering - Specimens Tested 6

Duty Classification	Mean Strength Kn	
	Tension	Compression
Medium Duty	0.99	0.9

Durability Class	Colour Code	Material
R4	BLUE	316 Grade Stainless

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
R4	0m to 1km	0m to 100m

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 & steel 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. 2699.1.2019 & Masonry Structures A.S. 3700.2018. Test reports & Material Certificate of Analysis for determining the coating thickness are available on request.