

Comply with the Australian Standards for Built-In Components for Masonry Construction A.S. 2699.1:2020 & Masonry Structures A.S. 3700:2018.

**COMPLIANCE SUMMARY REPORT / PRODUCT SPECIFICATIONS**

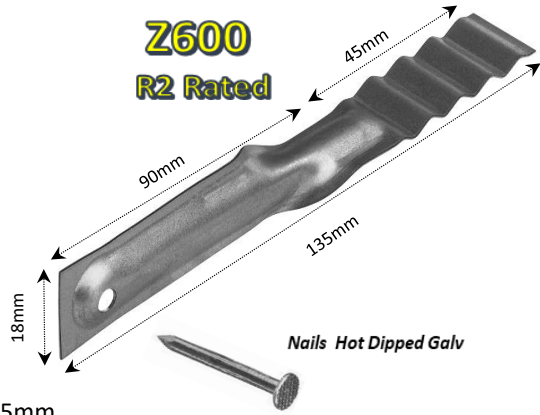
**CARLRAY VENEER TIES SIDE-FIXED MEDIUM DUTY Z600 R2 RATED  
COMPLY TO AS 2699.1:2020 & AS 3700:2018**

**Manufactured By**

Carlray Pty Ltd  
448 The Boulevard  
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	
	Tension	Compression
Medium Duty	0.99	0.9

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 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 upon request.

