

TECHNOLOGIES

LABORATORY TEST RESULTS

Report for: Tilcor North America P.O. Box 5125 Galt, CA 95632 Attention: Tony Tiapon

Sample ID(s): stone-coated metal	Manufacturer:	Tilcor
Date(s) Received: See Sampling Section	Source:	See Sampling Section
PRI-CMT Project No.: TLCR-008-02-01	Date(s) Tested:	Aug. 7, 2015 – Sep. 25, 2015

Purpose:Evaluate comparative corrosion resistance of *Tilcor's stone-coated metal*.
Corrosion resistance was assessed after 1,000h salt spray (fog) exposure in
accordance with ASTM B 117: *Standard Practice for Operating Salt Spray*
(*Fog) Apparatus*. The comparative control (i.e. benchmark) was ASTM A 653
hot-dipped galvanized steel G90.

Test Methods: Corrosion resistance testing was completed as described in ASTM B 117-11: Standard Practice for Operating Salt Spray (Fog) Apparatus. Test specimens were supported between 15° and 30° from vertical in rack support(s). Test specimens did not contact each other nor did solution from one specimen drip onto another. The salt utilized was 99.9% sodium chloride; salt solution was 5% by mass; salt solution concentration was verified by specific gravity hydrometer at standard laboratory conditions. Chamber temperature was maintained at 95±3°F; salt spray fall-out was collected and quantity of fog verified to be between 1.0 and 2.0 mL/h for a collected area of 80cm². PH of the collected fallout was measured and maintained between 6.5 and 7.2.

Sampling: The following materials were received by PRI.

ProductSourceDateSamplingRoyal (stone-coated metal panel)Auckland, New ZealandJul. 6, 2015NA

Material(s) were provided to and received by PRI.

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PRI Construction Materials Technologies LLC 6412 Badger Drive Tampa, FL 33610 Tel: 813-621-5777 Fax: 813-621-5840 e-mail: materialstesting@pricmt.com WebSite: http://www.pricmt.com

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Results:

Salt Spray/Fog Exposure - ASTM B 117

Product	Panel Results									
	Oh		260h		500h		761h		1,000h	
ID	D610 (% ¹)	D1654 (rating ²)								
stone-coated metal	0.00	10	0.00	10	0.00	10	0.00	10	0.00	10
G90 Control	0.00	10	0.00	10	0.3	10	0.00	10	0.00	10

Note(s): 1- % assigned as outlined in ASTM D 610; lower number indicates better performance; 10% is utilized as a benchmark end point.

2- rating assigned as outlined in ASTM D 1654; 10 to 0 scale with 10 assigned to no rust propagation and 0 assigned to 5/8" or more rust propagation.

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Representative Photos:



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Statement of Attestation: The corrosion resistance of this material was assessed after 1,000h salt spray (fog) exposure in accordance with ASTM B 117: Standard Practice for Operating Salt Spray (Fog) Apparatus. The laboratory test results presented in this report are representative of the material supplied.

Signed: Brad Grzybowski

Managing Director

Date:

Signed: Duc T. Nguyen Florida Registered Professio P.E. Number: 6 Date: U 7 STATE OF

Report Issue History:

lssue #	Date	Pages	Revision Description (if applicable)	
Original	11/10/2015	4	NA	

END OF REPORT

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