

DALLAS LABORATORIES, INC.

Consultants and Technologists
Chemical and Petroleum Chemists

P.O. BOX 152837, DALLAS, TEXAS 75315
1323 WALL ST, DALLAS, TEXAS 75215
PHONE 214/565-0593
FAX 214/565-1094

MEMBERS

AMERICAN CHEMICAL SOCIETY
ASTM INTERNATIONAL
AMERICAN SOCIETY OF MATERIALS

MEMBERS

AMERICAN NATIONAL STANDARDS INSTITUTE
AMERICAN SOCIETY FOR QUALITY CONTROL
FEDERATION OF SOCIETIES FOR COATINGS TECHNOLOGY

Submitted by: Chemical Construction Products, SA DE CV
Miguel Hidalgo 753
Campo 1o de Mayo
Cerro Azul, Veracruz, CP 92511

Date: February 19, 2014

Attn: Victor Castillo

Report No.: 46344

REPORT

Lab Sample No.:

46344 Chemcon 2302 (Grey), DOM: 8-05-2013

PROCEDURE

The sample was tested to determine compliance with the ASTM C-920, Standard Specifications for Elastomeric Joint Sealants, Type S, Grade P, Class 25, Use; T₂, NT, A, and M.

Cyclic movement was conducted at +25% extension and -25% compression. The aluminum substrates were solvent cleaned, rinsed in deionized water and air dried. The mortar substrates were wet ground, wiped with a damp cloth and air dried.

RESULTS

<u>Specification and Test/Method</u>	<u>Results</u>	<u>Pass/Fail</u>
8.1.2 Rheological Properties (ASTM C639, Type I) Horizontal (No deformation) 40°F (4.4°C)	None	Pass
8.2.2 Extrusion Rate (ASTM C1183, Proc A), >10 ml/min	702.0	Pass
8.4 Hardness (ASTM C661) Use NT (A2 < 60) Use T ₂ (A2 ≤ 25)	16 16	Pass
8.5 Effect of Heat Aging (ASTM C1246) Weight Loss (≤ 7%) Cracking (None) Chalking (None)	1.3 None None	Pass
8.6 Tack-Free Time (ASTM C679) At 72 hours, no transfer using a 40g wt. for 30 seconds	No transfer	Pass


THE ANALYSIS OF THE ABOVE SAMPLE OR SAMPLES DO NOT IMPLY AN ENDORSEMENT. THIS REPORT OR ANY PART THEREOF MAY NOT BE REPRODUCED OR USED FOR ADVERTISING PURPOSES WITHOUT OUR EXPRESS WRITTEN CONSENT.

<u>Specification and Test/Method</u>	<u>Results</u>	<u>Pass/Fail</u>
8.7 Stain and Color Change (ASTM C510)		
a. No visible stain on top of white cement mortar bar	No stain	Pass
b. No unacceptable color change	Slight color change (Bleaching)	Pass
8.8 Adhesion and Cohesion under Cyclic Movement (ASTM C719) ≤ 1-1/2 in ² (9.7cm ²) total bond loss and cohesive separation		
Substrate	Total Bond Loss & Cohesive Separation	
a. Mortar	0.50 in ² (2.2)	Pass
b. Aluminum	0.75 in ² (3.3)	Pass
8.9 Adhesion-In-Peel (ASTM C794) ≥ 5 lbf/in. width (22.25 N) ≤ 25% bond loss		
a. Mortar	lbf/in width	Bond Loss
1.	6.0 (26.7)	0%
2.	8.4 (37.4)	0%
3.	<u>7.1</u> (<u>31.6</u>)	<u>0%</u>
Average	7.2 (32.1)	0%
b. Aluminum	lbf/in width	Bond Loss
1.	7.5 (33.4)	0%
2.	7.0 (31.2)	0%
3.	<u>7.4</u> (<u>32.9</u>)	<u>0%</u>
Average	7.3 (32.5)	0%
8.11 Effect of Accelerated Weathering (ASTM C793)		
a. No cracks greater than #2 after UV exposure	No cracks (0)	Pass
b. No cracks greater than #2 after exposure to cold and bend	No cracks (0)	Pass

DISCUSSION

The submitted sample of sealant conforms to the **tested** requirements of ASTM C920 "Standard Specification for Elastomeric Joint Sealants", Type S, Grade P, Class 25, Use T₂, NT, A, and M.

DALLAS LABORATORIES, INC.


 Kevan W. Jones, Vice President

Analyst: GF, TL, KJ
 KWJ:js