

CERTIFICATION LETTER

We certify that Spectrem[®] 1 has been tested against ASTM C 920, Standard Specification for Elastomeric Joint Sealants and does conform to the specification requirements and is classified as follows:

Type: S (Single Component)
Grade: NS (Non-sag)
Class: 100/50(+100/- 50% joint movement)
Use: NT (Non-traffic)
M (Mortar)
G (Glass)
A (Aluminum)

Spectrem 1 has been tested and passed ASTM C 1382, "Standard Test Method for Determining Tensile Adhesion Properties of Sealants when used in Exterior Insulation and Finish Systems (EIFS) Joints." Third party verification is available upon request.

Spectrem 1 was tested in accordance with procedures outlined in ASTM D 412, Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers – Tension. The sealant exhibited an ultimate tensile strength of 210psi and 2140% elongation.

We further certify that Spectrem 1 conforms to the requirements of the following Federal Specifications:

TT-S-00230C (COM-NBS), Type II, Class A

TT-S-001543A (COM-NBS) Class A

Spectrem 1 meets CAN/CGSB-19.13-M87, MCG-2-40-B-N.

Although Spectrem 1 is not NSF registered, or previously authorized by USDA, it does meet the requirements for use in Federally inspected food processing facilities provided it is not used in areas where food is being processed, prepared or packaged. The material must also be applied in a manner which prevents any direct or indirect contamination of food. Additionally, before any food product can be placed in the area of treatment, the sealant must be allowed to cure according to manufacturer's recommendations and the area should be sufficiently free of odor to prevent food contamination.

We certify that Spectrem® 2 has been tested against ASTM C 920, Standard Specification for Elastomeric Joint Sealants and does conform to the specification requirements and is classified as follows:

Type: S	(Single Component)
Grade: NS	(Non-sag)
Class: 50	(+/- 50% joint movement)
Use: NT	(Non-traffic)
M	(Mortar)
G	(Glass)
A	(Aluminum)
O	(Other)

Spectrem 2 meets and exceeds the requirements of ASTM C 1184, Standard Specification for Structural Silicone Sealants. Silicone sealants are required to meet minimum physical properties which include a Shore A hardness range of 20-60, maximum tack free time of 3 hrs and a minimum tensile value of 50 psi when tested at the following conditions including, standard conditions, 80C(190F), -29 C (-20F) water immersion, and 5000hrs weathering.

Spectrem 2 Black is listed to AAMA 800-92, Voluntary Specifications and Test Methods for Sealants, for Section 1.1, Back Bedding Glazing Compounds, 802.3 Types I and II, Section 1.1, Back Bedding Glazing Compounds, 805.2-92 (Group C), and Section 1.4, Exterior Perimeter Sealing Compound, 808.3.

Spectrem 2 has been tested and passed ASTM C 1382, "Standard Test Method for Determining Tensile Adhesion Properties of Sealants when used in Exterior Insulation and Finish Systems (EIFS) Joints." Third party verification is available upon request.

We further certify that Spectrem 2 conforms to the requirements of the following Federal Specifications:
TT-S-00230C (COM-NBS), Type II, Class A

Spectrem 2 meets CAN/CGSB-19.13-M87.

Spectrem 2 meets the Chinese Specification GB-16776.

Spectrem 2 meets the European Organization for Technical Approval (EOTA) specification ETAG-002, Structural Sealant Glazing Systems.

Although Spectrem 2 is not NSF registered, or previously authorized by USDA, it does meet the requirements for use in Federally inspected food processing facilities provided it is not used in areas where food is being processed, prepared or packaged. The material must also be applied in a manner which prevents any direct or indirect contamination of food. Additionally, before any food product can be placed in the area of treatment, the sealant must be allowed to cure according to manufacturer's recommendations and the area should be sufficiently free of odor to prevent food contamination.

Spectrem 2 may be used in registered establishments operating under the **Canadian Food Inspection Agency**. The Canadian Food Inspection Agency has approved Spectrem 2 for use in CFIA regulated facilities for situations involving non food contact.

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB	
PROJECT NAME	
8274 BIG BEND BLVD	
ADDRESS	
NUMBER	
WEBSTER UNIVERSITY	
OWNER	
CANNON DESIGN	
ARCHITECT / ENGINEER	
DEVIN D GATES	
SUBMITTED BY	
079200-001	
CONTRACTOR / CM SUBMITTAL NO.	CANNON DESIGN SUBMITTAL NO.
	079200
DRAWING / DETAIL REFERENCE	SPECIFICATION SECTION / PARAGRAPH
Tremco	
MANUFACTURER / SUPPLIER	ITEM / PRODUCT ID
REQUIRED DATE	PRIORITY
	CRITICAL

ITEM BEING SUBMITTED (check only one)

- | | | |
|---|--|--|
| ☐ Shop Drawings | ☐ Certification / Qualifications | ☐ Coordination Drawing |
| ☐ Samples (____ copies) | ☐ Record Documents | ☐ Calculations |
| ☐ LEED Submittal | ☒ Product Data | ☐ Schedules |
| ☐ Other _____ | | ☐ O&M Manuals |

ITEM BEING SUBMITTED FOR (check only one)

- ☒ Action ☐ Information Only ☐ Record

REMARKS OR DEVIATIONS

Please select color for each type of sealant.

CONTRACTOR / CM CERTIFICATION (SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)



PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:

Devin D. Gates

To be completed by Reviewer

07 9200-001
CANNON DESIGN SUBMITTAL NUMBER
5/5/16
RECEIVED DATE

- ☒ A. No Exceptions Taken
No further review of submittal is required.
- ☐ B. Make Corrections Noted
Incorporate corrections in work; resubmission is not required.
- ☐ C. Revise and Resubmit
Revise as noted, and resubmit for review.
- ☐ D. Rejected
Submittal is not in compliance with Contract Documents; provide new submittal.
- ☐ E. For Record / Information Only
Submittal was reviewed for Record / Information purposes only.
- ☐ F. Not Required for Review
Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS

☐ See attached sheet(s) for additional comments

To be utilized only in locations per 079200 specifications and not for 084423 Structural-Sealant-Glazed Curtain Walls

DEVIN D GATES

REVIEWED BY

05/05/16

DATE

Kathy Williams

REVIEWED BY

5-11-16

DATE



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0030

Paric Corporation

PROJECT: Webster University Interdisciplinary Science Building

DATE: 05/03/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Joint sealant product data, product
certificate, color chart

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☐ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☒ Other:	☐ Separate Cover Via:	☒ Due Date: 06/22/2016

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		079200-001	1		05/03/2016	Joint sealant product data, product certificate, color chart for curtainwall.	Open

NOTES:

CC:

Signed: _____
Devin Gates



NGG
LTD., INC

Glass integration solutions
& exterior wall systems

TRANSMITTAL

Project Name: Webster University

Project No. 10047

Reference:

Attn / To: Jason Szachnieski

Date: 5/3/2016

Company: Paric

Transmittal No. 10047-02

Address: 77 Westport Plaza, Suite 250
St. Louis, MO 63146

Transmitting a(n):

- ☐ Calculation(s) ☐ Report
☐ Change Order ☐ Specifications
☐ Copy of Document ☐ Shop Drawing(s)
☒ Submittal ☐ Print(s)
☐ Other _____

Sent Via:

- ☐ Pick-Up ☐ UPS ☐ Ground
☐ Hand Deliver ☐ FedEx ☐ 2nd Day
☒ Email ☐ Mail ☐ Overnight
☐ Messenger/Courier
☐ Other _____

Copies	Date	Reference / No.	Name / Description:
1			TEMCO SPECTREM 1 FOR USE AT PERIMETER CONDITIONS
			TREMCO SPECTREM 2 FOR USE AT SSG JTS AND METAL
			TO METAL JOINERY.

Purpose:

- ☒ For Approval ☐ As Requested ☒ Review ☐ Return Corrected
☐ Resubmitted for Approval ☐ For Your Use ☐ Comment ☐ Other _____

Remarks:

PLEASE RETURN (1) EACH WITH APPROVAL STAMP

Signed:


Daniel Ward
Project Manager

Date: 5/3/2016