CANNONDESIGN

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

Joe Voypick
SUBMITTED BY

084423-016
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

084423
SPECIFICATION SECTION / PARAGRAPH

NGG Ltd Inc
MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

CRITICAL

ITEM BEING SUBMITTED (check only one)

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

ITEM BEING SUBMITTED FOR (check only one)

◉ Action ○ Information Only ○ Record

REMARKS OR DEVIATIONS

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

PARIC

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

Joe Voypick
REVIEWED BY

7/25/16
DATE

To be completed by Reviewer

08 4423-016
CANNON DESIGN SUBMITTAL NUMBER

7/25/16
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

This submittal shall superceed all previously submitted sealant submittals listing Tremco sealants for use within the curtainwall assembly. This submittal shall represent sealant that is part of the curtainwall assembly and shall be warranted as part of the curtainwall system by the curtainwall installer. The curtainwall installer shall accept full responsibility to insure that this sealant is fully compatible with all components of the curtainwall assembly and conforms to all warranty requirements.

Kathy Williams
REVIEWED BY

08/04/16
DATE

77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0158

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 07/25/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Structural Glazing Sealant - DOW

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: Product Data	☐ Separate Cover Via:	☐ Due Date:

Item	*Package*	*Code*	*Rev.*	*Copies*	*Date*	*Description*	*Status*
Submittal		084423-016	1		07/25/2016	Structural Glazing Sealant - DOW	Submitted

NOTES:

CC:

Signed: _____

Devin Gates

Product Information

Silicone Sealants

DOW CORNING

Dow Corning® 995 Silicone Structural Glazing Sealant

FEATURES

- Odorless, non-corrosive cure system
- Cures to form an extremely tough elastomeric rubber ensuring a durable, flexible, watertight bond

BENEFITS

- Excellent weatherability and high resistance to ultraviolet radiation, heat and humidity, ozone and temperature extremes
- Excellent mechanical properties
- Successfully tested for use in protective glazing applications
- Excellent unprimed adhesion to wide range of substrates including coated, enameled, and reflective glasses; anodized and polyester coated or painted aluminum profiles including most fluoropolymerbased paints such as Kynar™
- Meets global standards for structural glazing (American, China, Europe)

COMPOSITION

- One-part, neutral-cure elastomeric sealant

High ultimate tensile strength sealant ideally suited for structural bonding and protective glazing applications

APPLICATIONS

- Silicone structural glazing and protective glazing applications

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Method	Test	Unit	Result
As Supplied			
	Color		Black, gray, white
MIL-S-8802	Tack-Free Time, 50% RH	minutes	65
	Curing Time 25ºC (77ºF) at 50% RH	days	7-14
	Full Adhesion	days	14-21
	Flow, Sag, or Slump	inches	0.1
	Working Time	minutes	10-20
	Specific Gravity		1.339
	VOC Content[1]	g/L	30
As Cured – After 7 days at 25ºC (77ºF), 50% RH			
ASTM[2] D2240	Durometer Hardness, Shore A	points	40
ASTM D0412	Ultimate Tensile Strength	Psi (MPa)	350 (2.41)
	Ultimate Elongation	%	525
ASTM D0624	Tear Strength, die B	ppi	49
ASTM C0794	Peel Strength	ppi	40
As Cured – After 21 days at 25ºC (77ºF), 50% RH			
ASTMC1135	Tensile at 25% Elongation	psi (MPa)	43 (0.30)
ASTMC1135	Tensile at 50% Elongation	psi (MPa)	65 (0.43)
	Ultimate Tensile Strength	psi (MPa)	170 (1.17)
ASTM C719	Joint Movement Capability	%	±50

[1]Based on South Coast Air Quality Management District of California. Maximum VOC is listed both inclusive and exclusive of water and exempt compounds. For a VOC datasheet for a specific sealant color, please send your request to product.inquiry@dowcorning.com.

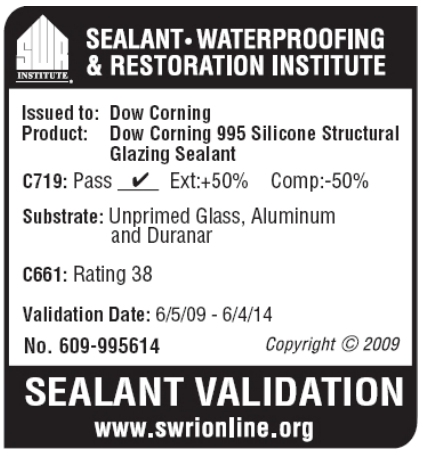
[2] ASTM: American Society for Testing and Materials.

DESCRIPTION

Dow Corning® 995 Silicone Structural Glazing Sealant is a one-component neutral-curing silicone sealant designed specifically for structural bonding applications of glass and metal in factory or field situations.

The rate of surface cure and cure-in-depth of most one-component RTV silicone sealants is affected by the temperature and humidity of the environment. However, an environment of high temperatures in combination with high humidity may slow the surface cure rate of *Dow Corning* 995 Silicone Structural Glazing Sealant.

Colors
This product is available in black, gray, and white. Please contact your local Dow Corning Sales Application Engineer for availability.



APPROVALS/ SPECIFICATIONS

Dow Corning 995 Silicone Structural Glazing Sealant has been internally tested and is designed to meet or exceed the test requirements of:

- Federal Specification TT-S-001543A (COM-NBS) Class A for silicone building sealant
- Federal Specification TT-S-00230C (COM-NBS) Class A for one-component building sealant
- ASTM Specification C-920 Type S, Grade NS, Class50, Use NT, G and A
- ASTM C1184 Standard Specification for Structural Silicone Sealant
- Chinese specification GB 16776 for structural glazing
- SNJF VEC

Dow Corning 995 Silicone Structural Glazing Sealant exhibits a high level of physical properties and adhesive performance, which are retained even after aging as detailed by EOTA ETAG 002 and prEN 13022 European Standards.

HOW TO USE

Complete design and installation guidelines are contained in the Dow Corning Americas Technical Manual, Form No.62-1112.Specific advice is available from your local Dow Corning Sales Application Engineer.

Preparation
Clean all joints and glazing pockets, removing all foreign matter and contaminants such as grease, oil, dust, water, frost, surface dirt, old sealants, or glazing compounds and protective coatings.

Application Method
Install back-up material or joint filler, setting blocks, spacer shims, and tapes. Mask areas adjacent to joints to ensure neat sealant lines. Primer is generally not required on non-porous surfaces, but may be necessary for optimal sealing of certain porous surfaces. A test placement is always recommended.

Apply *Dow Corning* 995 Silicone Structural Glazing Sealant in a continuous operation using a positive pressure. (The sealant can be applied using many types of air-operated guns and most types of bulk dispensing equipment.) Before ask informs (typically with in 10 minutes), tool the sealant with light pressure to spread the sealant against the backing material and joint surfaces. Remove masking tape as soon as the bead is tooled.

HANDLING PRECAUTIONS

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATASHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATASHEET IS AVAILABLE ON THE DOW CORNING WEBSITE AT DOWCORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

USABLE LIFE AND STORAGE

When stored at or below 30ºC (86ºF) in the original unopened containers, this product has a usable life of 18 months from the date of manufacture.

PACKAGING INFORMATION

This product is available in 305-and 310-mL (10.3-and 10.5-floz) disposable cartridges, 7.5-L (2-gal) pails, 17-L (4.5-gal) bulk containers, and 170-L (45-gal) drums, depending on location of purchase. Please contact your local Dow Corning Sales Application Engineer for packaging availability.

LIMITATIONS

Dow Corning 995 Silicone Structural Glazing Sealant should not be applied:

- To building materials that bleed oils, plasticizers, or solvents– materials such as impregnated wood, oil-based caulks, green or partially vulcanized rubber gaskets or tapes
- In totally confined spaces as the sealant requires atmospheric moisture for cure
- When surface temperatures exceed 60ºC(140ºF)
- Where painting of the sealant is required, as the paint film may crack and peel
- To surfaces in contact with food– this sealant does not comply with Federal Food and Drug Administration food-additive regulations
- In below-grade applications
- For use as an interior penetration fire stop sealing system
- In horizontal floor joints where abrasion and physical abuse are likely to be encountered
- To frost-laden or damp surfaces
- For continuous immersion in water

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This product is neither tested nor represented as suitable for medical or pharmaceutical uses.
Dow Corning shall not be held liable for any possible claims arising from structural glazing use of this product for projects that have not been specifically approved by Dow Corning.

HEALTH AND ENVIRONMENTAL INFORMATION

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, www.dowcorning.com or consult your local Dow Corning representative.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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