

**SUBMITTAL TRANSMITTAL 001**Date.: 01-26-2024**KNS BUILDING RESTORATION**  
A Future Made From History**Shivani Seecharan**6981 75<sup>th</sup> Street  
Middle Village NY 11379  
Phone: 718-366-0075  
Fax: 718-956-7998**Project Address:****Façade Repairs  
534 West 42nd Street  
New York, New York 10036****Title:****795 Silicone Building Sealant and Kool Rod  
Backer Rod****Notes:****Joint sealant replacement  
A-602 -Detail 1****TO:****Rodriguez + Gambino Architectural****Building Envelope Consultants, D.P.C.****1298 Richmond Road****Staten Island, New York, 10304****SUBMITTAL TYPE:**

- |                                                    |                                               |
|----------------------------------------------------|-----------------------------------------------|
| <input type="checkbox"/> Re-Submittal              | <input type="checkbox"/> Information (Waiver) |
| <input checked="" type="checkbox"/> Product Data   | <input type="checkbox"/> Shop Drawings        |
| <input type="checkbox"/> Test Reports              | <input type="checkbox"/> MSDS                 |
| <input type="checkbox"/> Design Data               | <input type="checkbox"/> Samples              |
| <input type="checkbox"/> Quality Control/Assurance | <input type="checkbox"/> Contract Closeout    |
| <input checked="" type="checkbox"/> Other          |                                               |

**Please see attached submittal for review.  
and approval**Specification Number &  
Tile**07 90 01- Joint Protection****795 Silicone Building Sealant and Kool Rod Backer Rod**

| Item         | Manufacture | Description                          |
|--------------|-------------|--------------------------------------|
| Product Data | Dow         | DOWSIL 795 Silicone Building Sealant |
| Product Data | W.R Meadows | Kool Rod Backer Rod                  |

**RODRIGUEZ + GAMBINO BUILDING ENVELOPE CONSULTANTS**Project Name: Facade Repairs Project Number: RG23-1013

Architects/Engineers Action on this submittal:

☒ **NO EXCEPTIONS TAKEN**      ☐ **IMPLEMENT EXCEPTIONS TAKEN**  
☐ **REVISE AND RESUBMIT**      ☐ **REJECTED**

Review is limited to checking for conformance with the information given and the design concept expressed in the contract documents. The Contractor remains totally responsible for all dimensions, quantities, construction methods and means, techniques, sequences in the work, and procedures.

Signed: Edwin Rivera Date: 4/18/24



## Technical Data Sheet

### DOWSIL™ 795 Silicone Building Sealant

Neutral, one part silicone sealant

#### Features & Benefits

- Suitable for most new construction and remedial sealing applications
- Versatile – high performance structural glazing and weather sealing from a single product
- Available in 15 standard colors; custom colors also available
- Excellent weatherability virtually unaffected by sunlight, rain, snow, ozone and temperature extremes of -40°F (-40°C) to 300°F (149°C)
- Excellent unprimed adhesion to a wide variety of construction materials and building components, including anodized, alodined, most coated and many Kynar painted aluminums
- Ease of application – ready to use as supplied
- Ease of use – all temperature gunnability, easy tooling and low-odor cure byproduct
- Meets global standards (Americas, Asia and Europe)

#### Composition

- One-part, neutral cure, RTV silicone sealant

#### Applications

- Structural and nonstructural glazing
- Structural attachment of many panel systems
- Panel stiffener applications
- Weather sealing of most common construction materials including glass, aluminum, steel, painted metal, EIFS, granite and other stone, concrete, brick and plastics

#### Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

| Test <sup>1</sup>  | Property                              | Unit        | Result     |
|--------------------|---------------------------------------|-------------|------------|
| <b>As Supplied</b> |                                       |             |            |
| ASTM C 679         | Tack Free Time, 50% RH                | hours       | 3          |
|                    | Curing Time at 25°C (77°F) and 50% RH | days        | 7–14       |
|                    | Full Adhesion                         | days        | 14–21      |
| ASTM C 639         | Flow, Sag or Slump                    | inches (mm) | 0.1 (2.54) |
|                    | Working Time                          | minutes     | 20–30      |
|                    | VOC Content <sup>2</sup>              | g/L         | 30         |

1. ASTM: American Society for Testing and Materials.

2. Based on South Coast Air Quality Management District of California. Maximum VOC is listed both inclusive and exclusive of water and exempt compounds.

## Typical Properties (Cont.)

| Test                                                                                                               | Property                                                  | Unit          | Result     |
|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------|------------|
| <b>As Cured After 21 Days at 25°C (77°F) and 50% RH</b>                                                            |                                                           |               |            |
| ASTM D 2240                                                                                                        | Durometer Hardness, Shore A                               | points        | 35         |
| ASTM C 794                                                                                                         | Peel Strength                                             | lb/in (kg/cm) | 32 (5.7)   |
| ASTM C 1135                                                                                                        | Tension Adhesion Strength                                 |               |            |
|                                                                                                                    | At 25% Extension                                          | psi (MPa)     | 45 (0.310) |
|                                                                                                                    | At 50% Extension                                          | psi (MPa)     | 60 (0.414) |
| ASTM C 719                                                                                                         | Joint Movement Capability                                 | percent       | ±50        |
| ASTM C 1248                                                                                                        | Staining (Granite, Marble, Limestone, Brick and Concrete) |               | None       |
| <b>As Cured After 21 Days at 25°C (77°F) and 50% RH Followed by 10,000 Hours in a QUV Weatherometer, ASTM G 53</b> |                                                           |               |            |
| ASTM C 1135                                                                                                        | Tension Adhesion Strength                                 |               |            |
|                                                                                                                    | At 25% Extension                                          | psi (MPa)     | 35 (0.241) |
|                                                                                                                    | At 50% Extension                                          | psi (MPa)     | 50 (0.345) |

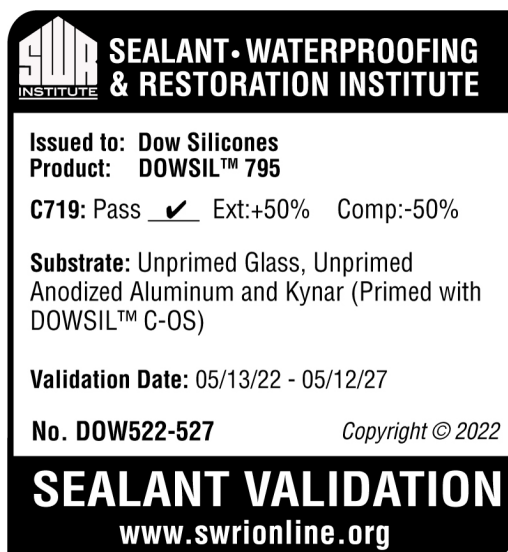
## Description

DOWSIL™ 795 Silicone Building Sealant is a one-part, neutral-cure, architectural-grade sealant that easily extrudes in any weather and cures quickly at room temperature. This cold-applied, non-sagging silicone material cures to a medium modulus silicone rubber upon exposure to atmospheric moisture. The cured sealant is durable and flexible enough to accommodate ± 50 percent movement of original joint dimension when installed in a properly designed weather seal joint. In a properly designed structurally glazed joint, the sealant is strong enough to support glass and other panel materials under high wind load.

## Approvals/ Specifications

DOWSIL™ 795 Silicone Building Sealant meets the requirements of:

- Federal Specification TT-S 001 543A (COM-NBS) Class A for silicone building sealants
- Federal Specification TT-S-00230C (COM-NBS) Class A for one-part building sealants
- ASTM Specification C 920 Type S, Grade NS, Class 50, Use NT, G, A and O
- ASTM Specification C 1184 for structural silicone sealants
- Canadian Specification CAN2-19.13- M82



## Colors

DOWSIL™ 795 Silicone Building Sealant is available in 15 colors: white, limestone, champagne, natural stone, gray, black, bronze, sandstone, adobe tan, dusty rose, rustic brick, blue spruce, anodized aluminum, charcoal, and ivy green. Custom colors may be ordered to match virtually any substrate.

## How to Use

Please consult the *Dow Americas Technical Manual*, Form No. 62-1112, for detailed information on state-of-the-art application methods and joint design.

### Preparation

Clean all joints, 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 backing 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 DOWSIL™ 795 Silicone Building Sealant in a continuous operation using positive pressure. (The sealant can be applied using many types of air-operated guns and most types of bulk dispensing equipment.) Before a skin forms (typically within 15 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 SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

## Usable Life and Storage

When stored at or below 27°C (80°F), DOWSIL™ 795 Silicone Building Sealant has a shelf life of 12 months from the date of manufacture. Refer to product packaging for "Use By Date."

## Packaging Information

DOWSIL™ 795 Silicone Building Sealant is supplied in 10.3 fl oz. (305 mL) disposable plastic cartridges that fit ordinary caulking guns, 20 fl oz. (590 mL) sausages and 2 and 4.5 gal (7.5 and 17 L) bulk containers.

## Limitations

DOWSIL™ 795 Silicone Building Sealant should not be used:

- In structural applications without prior review and approval by your local sales application engineer
- In below grade applications
- When surface temperatures exceed 50°C (122°F) during installation
- On surfaces that are continuously immersed in water
- On building materials that bleed oils, plasticizers or solvents that may affect adhesion
- On frost laden or wet surfaces
- In totally confined joints (the sealant requires atmospheric moisture for cure)
- If the sealant is intended to be painted (paints do not typically adhere to most silicone sealants)
- To surfaces in direct contact with food or other food-grade applications

**Limitations (Cont.)**

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

**Health and Environmental Information**

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, [dow.com](http://dow.com) or consult your local Dow representative.

**Disposal Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

**Product Stewardship**

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

**Customer Notice**

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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MasterFormat: 07 91 23

OCTOBER 2021  
(Supersedes November 2017)**KOOL-ROD™****Backer Rod for Cold-Applied Sealants****DESCRIPTION**

KOOL-ROD is a closed cell, polyethylene, flexible, rope-like foam joint backing material. This material is virtually non-absorbent and chemically inert to most solvents. KOOL-ROD will not stain or adhere to sealant materials. It is fully compatible with acrylic, butyl, polyurethane, polysulfide, silicone, and most other cold-applied sealant compounds. KOOL-ROD is specifically designed as a compressible backing material to be used in conjunction with a wide variety of cold-applied joint sealants.

**USES**

KOOL-ROD is highly adaptable for both vertical and horizontal applications. It is commonly used in glazing operations, copings, between precast panels, and around door and window perimeters. It provides the perfect backing for all types of construction, expansion, isolation, control, and pavement joints.

**FEATURES/BENEFITS**

- Controls depth of sealant/Ensures proper joint design ratio.
- Forces sealant against joint sidewalls/Provides maximum sidewall adhesion.
- Sealants will not adhere to KOOL-ROD/ Eliminates three-sided joint adhesion failure.
- Closed-cell foam technology/Does not allow air or moisture entrapment.
- Easily compressible, lightweight/Installs quickly, stays in place.
- Easy to handle, smaller packaging/Added contractor convenience.

**PACKAGING**

| Diameter            | Joint Width        | Footage/Carton      | Alternate Packaging | Packaging             |
|---------------------|--------------------|---------------------|---------------------|-----------------------|
| 1/4"<br>(6.35 mm)   | 3/16"<br>(4 mm)    | 6400 LF<br>(1950 m) | 4000 LF<br>(1219 m) | 2 spools/carton       |
| 3/8"<br>(9.53 mm)   | 1/4"<br>(6 mm)     | 3600 LF<br>(1097 m) | 2100 LF<br>(640 m)  | 2 spools/carton       |
| 1/2"<br>(12.7 mm)   | 3/8"<br>(9 mm)     | 2500 LF<br>(762 m)  | 2500 LF<br>(762 m)  | 1 (2) spool/carton    |
| 5/8"<br>(15.86 mm)  | 1/2"<br>(12 mm)    | 1550 LF<br>(472 m)  | 1550 LF<br>(472 m)  | 1 spool/carton        |
| 3/4"<br>(19.05 mm)  | 5/8"<br>(15 mm)    | 1100 LF<br>(335 m)  | 1100 LF<br>(335 m)  | 1 spool/carton        |
| 7/8"<br>(22 mm)     | 1 1/16"<br>(18 mm) | 850 LF<br>(259 m)   | 850 LF<br>(259 m)   | 1 spool/carton        |
| 1"<br>(25 mm)       | 3/4"<br>(19 mm)    | 550 LF<br>(168 m)   | 600 LF<br>(183 m)   | 1 spool/carton        |
| 1 1/4"<br>(31 mm)   | 7/8"<br>(22 mm)    | 400 LF<br>(122 m)   | 400 LF<br>(122 m)   | 1 spool/carton        |
| 1 1/2"<br>(38.1 mm) | 1 1/8"<br>(29 mm)  | 552 LF<br>(168 m)   | 420 LF<br>(128 m)   | 2 pieces/carton       |
| 2"<br>(50.8 mm)     | 1 5/8"<br>(41 mm)  | 360 LF<br>(109 m)   | 252 LF<br>(77 m)    | 60 (70) pieces/carton |
| 3"<br>(76.2 mm)     | 2 1/2"<br>(64 mm)  | 144 LF<br>(44 m)    | 102 LF<br>(31 m)    | 24 (42) pieces/carton |
| 4"<br>(101.6 mm)    | 3"<br>(76 mm)      | 90'<br>(27 m)       | 54 LF<br>(16 m)     | 15 (17) pieces/Carton |

**CONTINUED ON THE REVERSE SIDE...****W. R. MEADOWS, INC.**

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**BAG PACKAGING**

| Diameter           | Joint Width     | Footage/Carton    |
|--------------------|-----------------|-------------------|
| 1/4"<br>(6.35 mm)  | 3/16"<br>(4 mm) | 500'<br>(152.4 m) |
| 3/8"<br>(9.53 mm)  | 1/4"<br>(6 mm)  | 230'<br>(70.1 m)  |
| 1/2"<br>(12.7 mm)  | 3/8"<br>(9 mm)  | 130'<br>(39.6 m)  |
| 5/8"<br>(15.86 mm) | 1/2"<br>(12 mm) | 75'<br>(22.86 m)  |
| 3/4"<br>(19.05 mm) | 5/8"<br>(15 mm) | 55'<br>(16.76 m)  |

Color: Dark Gray

**SPECIFICATIONS**

- ASTM C1330, Type C
- ASTM D5249, Type 3

**APPLICATION**

Joint or opening must be clean, dry, and free of obstructions. Select the proper rod diameter and cut to length or use directly from the spool. With a blunt instrument or roller, uniformly install rod at a level recommended by the sealant manufacturer, specifier, or architect. Generally, the depth of the joint after KOOL-ROD is installed should be half the width. Very large and very small joints vary in terms of this depth-to-width ratio.

Do not tear, puncture, twist, or overly compress the backer rod during installation. Caution should be used to avoid any situation where voids may form and trap air/moisture between backer rod and sealant. Care should also be taken to prevent the introduction of air bubbles into the sealant during mixing (if any) and/or installation.

For most recent data sheet, further LEED information, and SDS, visit [www.wrmeadows.com](http://www.wrmeadows.com).

**LIMITED WARRANTY**

W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

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