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This MANU-SPEC® utilizes the Construction Specifications Institute (CSI) *Project Resource Manual* (PRM), including *MasterFormat*™, *SectionFormat*™ and *PageFormat*™. A MANU-SPEC is a manufacturer-specific proprietary product specification using the proprietary method of specifying applicable to project specifications and master guide specifications. Optional text is indicated by brackets []; delete optional text in final copy of specification. Specifier Notes typically precede specification text; delete notes in final copy of specification. Trade/brand names with appropriate symbols typically are used in Specifier Notes; symbols are not used in specification text. Metric conversion, where used, is soft metric conversion.

This MANU-SPEC specifies elastomeric butyl rubber sealant tape. This product is manufactured by GSSI Sealants, Inc. Revise MANU-SPEC section number and title below to suit project requirements, specification practices and section content. Refer to *CSI MasterFormat* for other section numbers and titles.

SECTION 07 92 00
JOINT SEALANTS

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes:
 - 1. Sealant Tape.

Specifier Note: Article below may be omitted when specifying manufacturer's proprietary products and recommended installation. Retain Reference Article when specifying products and installation by an industry reference standard. If retained, list standard(s) referenced in this section. Indicate issuing authority name, acronym, standard designation and title. Establish policy for indicating edition date of standard referenced. Contract Conditions or Section 01 42 19 - Reference Standards may establish the edition date of standards. This article does not require compliance with the standard, but is merely a listing of references used. Retain only those reference standards to be used within the text of this Section. Add and delete as required for specific project.

1.02 REFERENCES

- A. American Architectural Manufacturer's Association (AAMA):
 - 1. AAMA 804.1 Voluntary Specifications and Test Methods for Sealants.
 - 2. AAMA 807.1 Standard for Cured Rubber Bedding Glazing Tape.
- B. ASTM International (ASTM):
 - 1. ASTM C765 Standard Test Method for Low-Temperature Flexibility of Preformed Tape Sealants.
 - 2. ASTM C771 Standard Test Method for Weight Loss After Heat Aging of Preformed Sealing Tapes.
 - 3. ASTM C1397 Standard Practice for Application of Class PB Exterior Insulation and Finish Systems.
 - 4. ASTM D217 Standard Test Methods for Cone Penetration of Lubricating Grease.
 - 5. ASTM D750 Standard Test Method for Rubber Deterioration Using Artificial Weathering Apparatus.
 - 6. ASTM D792 Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement.
 - 7. ASTM D897 Standard Test Method for Tensile Properties of Adhesive Bonds.
- C. United States Food and Drug Administration (FDA):
 - 1. Indirect Food Additives: Adhesives and Components of Coatings, Sec. 175.125 Pressure Sensitive Adhesives.

Specifier Note: Article below includes submittal of relevant data to be furnished by Contractor before, during or after construction. Coordinate this article with Architect's and Contractor's duties and responsibilities in Contract Conditions and Section 01 33 00 - Submittal Procedures.

1.03 SUBMITTALS

- A. General: Submit listed submittals in accordance with Contract Conditions and Section [01 33 00 - Submittal Procedures] [_____].
- B. Product Data: Submit product data, including manufacturer's SPEC-DATA sheet and application instructions, for specified products.
- C. Samples: Submit 6 inch (152 mm) length samples of specified sealant tape.

1.04 DELIVERY, STORAGE & HANDLING

- A. General: Comply with Section [01 61 00 - Common Product Requirements] [_____].
- B. Delivery, Storage and Protection:
 - 1. Deliver, store and handle in accordance with Section [01 61 00 - Common Product Requirements] [_____].
 - 2. Deliver, store and handle in accordance with manufacturer's written instructions.
 - 3. Deliver in original packaging with labels and identification intact.
 - 4. Inspect items upon delivery to assure that specified products have been received.
 - 5. Store items in secure location protected from harmful environmental conditions until ready for installation.
- C. Waste Management and Disposal:

Specifier Note: The disposal of packaging waste into landfill sites demonstrates an inefficient use of natural resources and consumes valuable landfill space.

- 1. Separate waste materials for [reuse] [and] [recycling] [_____] in accordance with Section [01 74 19 - Construction Waste Management and Disposal] [_____].
- 2. Remove packaging materials from site and dispose of at appropriate recycling facilities.
- 3. Collect and separate for disposal [paper] [plastic] [polystyrene] [corrugated cardboard] [_____] packaging material [in appropriate onsite bins] [_____] for recycling.

Specifier Note: Coordinate article below with Contract Conditions and with Section [01 78 36 - Warranties] [_____].

PART 2 PRODUCTS

Specifier Note: Retain article below for proprietary method specification. Add product attributes, performance characteristics, material standards and descriptions as applicable. Use of such phrases as "or equal," "or approved equal" or similar phrases may cause ambiguity in specifications. Such phrases require verification (procedural, legal and regulatory) and assignment of responsibility for determining "or equal" products.

2.01 SEALANT TAPE

- A. Manufacturer: GSSI Sealants, Inc.
 - 1. Contact: 3605 Willowbend Blvd., Suite 575, Houston, TX 77054; Telephone: (800) 288-9489, (832) 778-6400; Fax: (832) 778-6401; Email: info@gssisealants.com; website: www.gssisealants.com.
- B. MB-10A Sealant Tape:
 - 1. General: Provide sealant tape that complies with AAMA 804.1 and AAMA 807.1.

Specifier Note: Select width below or note indication on drawings. Custom widths are available. If more than one width is selected, create indicators and coordinate with drawings.

- 2. Width: [3/16 inch (4.8 mm)] [1/4 inch (6.4 mm)] [3/8 inch (9.5 mm)] [1/2 inch (12.7 mm)] [3/4 inch (19.1 mm)] [7/8 inch (22.2 mm)] [1 inch (25.4 mm)] [2 inches (51 mm)] [3 inches (76 mm)] [4 1/2 inches (114 mm)] [As indicated on drawings].

Specifier Note: Select thickness below or note indication on drawings. If more than one thickness is selected, create indicators and coordinate with drawings.

- 3. Thickness: [1/8 inch (3.2 mm)] [3/16 inch (4.8 mm)] [3/32 inch (2.4 mm)] [7/32 inch (5.6 mm)] [As indicated on drawings].

Specifier Note: Select bead configuration below.

- 4. Beads: [Single] [Double] [Triple].
- 5. Physical Properties:
 - a. Cone Penetration, ASTM D217: 5.5 mm at 77 degrees F (25 degrees C), 150 grams per 5 seconds.
 - b. Percentage of Nonvolatiles by Weight, ASTM C771: 99 minimum at 212 ± 3 degrees F (100 ± 2 degrees C).
 - c. Specific Gravity, ASTM D792: 1.56 minimum at 77 degrees F (25 degrees C).
 - d. Sag: None at 3 weeks at 160 degrees F (71 degrees C).
 - e. Static Water to 5 Inch Head: Pass.
 - f. Cold Temperature Flexibility, ASTM C765: No cracking or loss of adhesion, 1/2 inch (12.7 mm) mandrel bend at -60 degrees F (-50 degrees C).
 - g. Webbing and Elongation:
 - 1) 1050% minimum at 77 degrees F (25 degrees C).
 - 2) 3050% minimum at 32 degrees F (0 degrees C).
 - h. Adhesive/Cohesive Failure Mode: 3% and 9% maximum at 77 Degrees F (25 Degrees C).
 - i. Tensile Strength, ASTM D897: 25 psi minimum at 77 Degrees F (25 Degrees C).
 - j. Weatherability, ASTM D750: No discoloration, cracking, crazing or loss of adhesion, 1000 hours in QUV weatherometer cycle of 8 hours UV at 150 degrees F (65 degrees C) and 4 hours of condensation at 104 degrees F (40 degrees C).

Specifier Note: Retain below if project requires compliance with FDA Regulations.

- C. Regulatory Requirements: Provide sealant tape complying with FDA Regulation 175.125.

2.02 PRODUCT SUBSTITUTIONS

- A. Substitutions: In accordance with Section [01 25 13 - Product Substitution Procedures] [No substitutions permitted] [_____].

PART 3 EXECUTION

3.01 MANUFACTURER'S INSTRUCTIONS

Specifier Note: Article below is an addition to the *CSI SectionFormat* and a supplement to MANU-SPEC. Revise article below to suit project requirements and specifier's practice.

- A. Compliance: Comply with manufacturer's written data, including product technical bulletins, product SPEC-DATA sheets, product catalog installation instructions and product carton installation instructions.

3.02 EXAMINATION

- A. Site Verification of Conditions:
 - 1. Verify that substrate conditions are acceptable for product installation in accordance with manufacturer's instructions.

3.03 INSTALLATION

- A. Install in accordance with ASTM C1397.

3.04 CLEANUP

- A. Proceed in accordance with Section [01 74 23 - Final Cleaning] [_____].
- B. Upon completion and verification of performance of installation, remove surplus materials, rubbish, tools and equipment.

END OF SECTION