



BOSS[®] 396 Window & Siding/Cladding Sealant

TYPICAL PROPERTIES

Uncured

| | |
|---|------------|
| Specific Gravity – Colors | 1.32 |
| Clear | 1.00 |
| Sag/Slump | NIL |
| Tack-Free Time at 75°F (24°C) and 50% RH | 15 min. |
| Cure Time at 75°F (24°C) and 50% RH (3/8" thickness) | 24 hours |
| Extrusion Rate | 250 g/min. |

Cured – Physical

| | |
|--|----------------|
| Elongation | 450% |
| Durometer Hardness, Shore A ASTM D 2240 | 25 |
| Ultimate Tensile Strength ASTM D 412 | 200 psi |
| TT-S-001543A | 55 psi |
| Service Temperature | -40°F to 325°F |
| Application Temperature | -35°F to 140°F |

*Primers may be required for certain substrates

*Information on this data sheet is subject to change without notice and should not be used for writing specifications.

For additional information on specific applications, contact Accumetric, LLC



DESCRIPTION

BOSS® 396 Window & Siding/Cladding Silicone Sealant is a one-part moisture curing neutral silicone adhesive sealant specifically formulated to offer outstanding adhesion to most building materials. It adheres to glass, metal, painted surfaces, aluminum, galvanized steel, stone, concrete and masonry surfaces.

BOSS® 396 Window & Siding/Cladding Silicone Sealant provides excellent resistance to cold, rain, ozone, heat and sunlight, contributing to the extended life of the sealant. It may be applied in sub-zero weather (-35°F) on frostless substrates without loss of physical property characteristics. When properly applied, this sealant can be expected to extend and compress 50% of the installation width, with no more than 25% movement in a single direction without affecting the seal or adhesion bond.

FEATURES

- Sealing vinyl and metal window and door frames
- Sealing assemblies of metal, masonry, concrete, coated surfaces, plastics and other common construction materials
- Expansion and construction joints in precast concrete or other masonry walls
- Many other non-structural applications

HOW TO USE

BOSS® 396 Window & Siding/Cladding Silicone Sealant is supplied ready to use. Under pressure it flows readily from its container. The paste-like consistency makes it easy to work. A spatula or wooden paddle can be used for tooling the surface.

The cure progresses inward from the surface. At conditions of at least 75°F (24°C) and 50% relative humidity, the sealant forms a tack-free skin within 15-25 minutes. Tooling is not practical after this skin begins forming and should be completed within three to six minutes of application, even though this may require alternate periods of applying and tooling. Likewise, if masking tape has been used to mark off an area, it should be removed before the tack-free skin forms.

LIMITATIONS

BOSS® 396 Window & Siding/Cladding Silicone Sealant is not recommended for below waterline applications or where abrasion or physical abuse is encountered, or in horizontal joints on or below grade.

BOSS® 396 should not be applied:

- To building materials which might bleed oils or solvents. These include foams, tapes, impregnated wood, failed sealants, and caulking compounds. When **BOSS® 396** Window & Siding/Cladding Silicone Sealant is used in remedial work, all old sealant should be removed.
- To unpredictably absorptive surfaces such as limestone, granite, and marble unless a standard of appearance has been agreed upon by the seller and the purchaser as a result of testing for stain or discoloration.
- In confined spaces where sealant requires atmospheric moisture for completion of cure.
- To surfaces which will be painted. As most paints do not adhere well to sealant, complete painting before applying.
- In depths that exceed 3/8".
- With wet tooling techniques such as water or soap, solvent, and water solutions.
- To unprepared or wet surfaces.
- In aquariums or structural glazing applications or to substrates not tested for adhesion or compatibility.
- As the "primary" seal in insulated glass units.

PRIMERS

BOSS® 396 may require a primer on some construction surfaces.

CLEAN UP

Uncured sealants can be easily removed using a solvent such as alcohol or acetone. For an environmental and health friendlier choice use **BOSS®** Biggie Wipes. If the sealant is cured it must be removed mechanically by cutting and scraping.

SPECIFICATIONS

BOSS® 396 meets the requirements of AAMA 808.3, TT-S-001543A (Silicone Building Sealant), TT-S-00230C* (One Component Building Sealant) and ASTM C920. *Not recommended for plazas, decks, pavement, etc.

CAUTION

DIRECT CONTACT OF UNCURED SEALANT IRRITATES EYES AND MAY IRRITATE SKIN. OVEREXPOSURE TO VAPOR MAY IRRITATE EYES, NOSE, AND THROAT. Avoid eye and skin contact. Use with adequate ventilation. Do not handle contact lenses with sealant on hands. IN CASE OF EYE CONTACT, flush eyes with water for 15 minutes. Obtain medical attention. IN CASE OF SKIN CONTACT, remove from skin and flush with water. KEEP OUT OF THE REACH OF CHILDREN. For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 90°F (32°C), **BOSS® 396** Window & Siding/Cladding Silicone Sealant has a shelf life of 12 months from date of shipment. In Countries where high heat and humidity are a factor, special precautions must be taken. Store product in a covered, well-ventilated warehouse and avoid excessive heat conditions. Storage in high heat, high humidity conditions may reduce shelf life by up to 30%. Rotation of stock is an absolute necessity. Cartons should always be stacked upright with the nozzle tip pointed upwards. DO NOT stack cartons on their side. **NEVER** stack cartons more than 8 high. DO NOT store within 1 meter (4 feet) of roofline of the warehouse or storage building.

SHIPPING LIMITATIONS

None.
Reactive VOC 39 g/l (<4% wt)

PACKAGING

BOSS® 396 Window & Siding/Cladding Silicone Sealant is available in standard caulking cartridges.

USERS PLEASE READ

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made.

It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application.

Likewise, if the application, product specifications or manner in which our products are used requires government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

Non-warranty: Because the storage, handling and application of the material is beyond Accumetric's control, we can accept no liability for the results obtained. Accumetric's sole limited warranty is the product meets the manufacturing specifications in effect at time of shipment. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. Accumetric will not be liable for incidental or consequential damages of any kind. The exclusive remedy for breach of such limited warranty is a refund of purchase price or replacement of any product shown to be other than as warranted. Suggestions of uses should not be taken as inducements to infringe any patents.

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