BOSS® PRODUCTS

ISO CERTIFIED

TECHNICAL DATA SHEET

BOSS® 334 Window & Door Minimal Expanding Foam

TYPICAL PROPERTIES

Density	1.56 lbs./ft³
Thermal Conductivity	0.22 - 0.26 Btu-in/hr-F-ft²
R Value	3.8 - 4.8 per inch
Tack Free (1" bead)	8 minutes (68°F & 65% RH)
Fully Cured (1" bead)	12 hours (68°F & 65% RH)
Cuttable (1" bead)	1 hour (68°F & 65% RH)
Tensile Strength	15 psi
Shear Strength	7 psi
Elongation	20%
Yield/24 Oz. Can	11 gallons freely foamed
Theoretical Yield - 24 oz. 1/4" bead	4300 ft.
24 oz. 1/2" bead	1030 ft.
VOC	166 gr./liter
Service Temperature	-40°F to 200°F
Application Temperature	40°F to 115°F

*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 Soudal Accumetric

USES

- **Installing of window and door frames**
- **Filling of cavities**
- **Sealing of all openings in roof constructions**
- **Creation of a soundproof screen**
- **Mounting and sealing of window and door frames**
- **Connecting of insulation materials and roof constructions**
- **Application of a soundproofing layer on motors**
- **Improving thermical isolation in cooling systems**

DESCRIPTION

BOSS® 334 Window & Door Minimal Expanding Foam is a one-component, ready to use polyurethane foam, formulated to seal the gap around window and door frame and the rough opening. **BOSS® 334** expands to generate an effective seal, and when used properly is proven not to distort or bow window and door frames. **BOSS® 334** will achieve a Sound Transmission Class (STC) of 58 when applying it in accordance with ASTM C-919 "Standard Practice for use of Sealants in Acoustical Applications".

FEATURES

- **AAMA 812-04 approved**
- **CFC propellant free**
- **Excellent adhesion on most substrates (except Teflon, PE and PP)**
- **High thermal and acoustical insulation**
- **Very good filling capacities**
- **Excellent mounting capacities**
- **Excellent stability (no shrink or post expansion)**
- **Very precise application due to the foam gun system**
- **Low pressure build, reducing the chance of bowing**
- **VOC Compliant**

HOW TO USE

BOSS® 334 may be applied to all substrates except PE and PP. Apply to surfaces that are clean and free of dust and grease. Moistening of the surfaces improves adhesion, curing and denser cellular structure. **Shake can well before use,** attach foam gun and adjust screw. For best results, use in temperatures between 60°F and 100°F and at relative humidity of 40%. Clean with BOSS® 335 Gun and Foam Cleaner before curing.

DANGER!

EXTREMELY FLAMMABLE. CONTENTS UNDER PRESSURE. Turn off all pilot lights, electrical igniters, burners and other sources of ignition or heat during use. Do not smoke, use matches or lighters while dispensing foam. Do not expose to direct sunlight, high heat or store in enclosed vehicle. Avoid breathing vapor/spray. Use in adequately ventilated areas with appropriate breathing apparatus. Avoid contact with skin and eyes. Wearing eyewear and gloves is recommended. Do not incinerate or puncture can. Store at temperatures below 120°F. **KEEP OUT OF REACH OF CHILDREN.** For safe handling information on this product, consult the Safety Data Sheet (SDS).

FIRST AID: In case of eye contact, flush immediately with water for 15 minutes and get medical help. If inhalation causes physical discomfort, move to fresh air. If discomfort persists or any breathing difficulty occurs, get medical help. If swallowed, drink large quantities of water. DO NOT induce vomiting. GET PHYSICIAN ASSISTANCE IN ALL CASES. Cured foam is not harmful to health.

CONTAINS

Polymethylenepolyphenylisocyanate, Dimethylether, Isobutane and Propane.

SHIPPING LIMITATIONS

Ground shipments only. Cannot ship by air.

Reactive VOC 166 g/l (17% wt)

CLEAN UP

Uncured sealant can be easily removed using BOSS® 335 or 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	
ASTM E-2112 - Standard practice for installation of exterior windows, doors and skylights (conform or results)	Conforms
ASTM E-283 - Standard test method for determining rate of air leakage through exterior windows, curtain walls and doors under specified pressure differences across the specimen (conform or results)	Air leakage <0,01 cfm/ft^2 at 6.24 psf pressure (or 50mph wind speed) in 1 cm wide gap
ASTM E-331 - (2009) Standard test method for water penetration of exterior windows, skylights, doors and curtain walls by uniform static air pressure difference (conform or results)	Conforms
ASTM E-547 - (2009) Standard test method for water penetration of exterior windows, skylights, doors and curtain walls by cyclic static air pressure difference (conform or results)	No water leakage at 12 psf negative pressure
ASTM C-1620 - Standard specification for aerosol polyurethane and aerosol latex foam sealants (conform or results)	Conforms
ASTM E-84 UL 723	Flame Spread 15 Smoke Developed 35
AAMA 812 - 04 Voluntary practice for assessment of single component aerosol expanding polyurethane foams for sealing rough opening of fenestration installations	AAMA Tested and listed in the verified component list

STORAGE AND SHELF LIFE

When stored upright in a dry environment at or below 70°F (21°C), **BOSS® 334** 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 cap 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.

PACKAGING

BOSS® 334 Window and Door Minimal Expanding Foam is available in 12 oz., 20 oz. and 24 oz. cans.

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.

MADE IN U.S.A.

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