



BOSS[®] 350 Flame Retardant Duct Sealant

TYPICAL PROPERTIES

Color	Gray
% Non-Volatile, by weight	81%
% Volume Shrinkage: ASTM C-733-87	28%
Weight per gallon, approximate	13.5 lb.
pH	8.0
Tack-Free Time: ASTM D-2377-84	<25 minutes
Weather Resistance: ASTM C-732-82	
..... No washout, discoloration, loss of adhesion or cracking after 500 hours weathering	
Peel Strength: Aluminum	30.0 pounds-force
Low Temperature Flexibility: ASTM C-734-82	
..... No cracking through to substrate or adhesion loss	
Extrudability after Package Aging (freeze-thaw stability): ASTM C-731-87	16.1 grams/second
Volatile Organic Content (VOC-minus water)	
..... 15.4 grams/liter	
Service Temperature	-20°F to 185°F
Application Temperature	40°F to 110°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 Accumetric, LLC



USES

- Sealing pipe joints
- Ductwork
- Ductwork seams

HOW TO USE

BOSS[®] 350 Flame Retardant Duct Sealant should only be used where slight joint movement is anticipated. In extremely deep joints, use foam joint filler.

Tooling is recommended and, if possible, should be completed in one continuous stroke.

Tool joints within ten minutes of application. If masking tape has been used to obtain a cleaner joint it should be removed before the tack-free skin forms.

CAUTION: Do not apply when building material or air temperature is below 40°F (4.4°C). **BOSS[®] 350** is not recommended for continuous water immersion.

DESCRIPTION

BOSS[®] 350 Flame Retardant Duct Sealant is high performance, flame retardant duct sealant designed for use in high, medium or low velocity heating and air conditioning systems. **BOSS[®] 350** provides excellent strength, flexibility and resistance to heat and cold, forming a seal against air leakage.

BOSS[®] 350 Flame Retardant Duct Sealant cures to a tough, tack-free, flexible sealant and remains flexible at low and high temperatures. Do not apply below 40°F (4.4°C). Do not thin. Use in conjunction with metal fasteners to hold assembly together.

ASTM SPECIFICATIONS

BOSS® 350 conforms to the ASTM specification C-834-76 by meeting all the requirements as listed below:

	REQUIRED	TEST RESULTS
C-731 Extrudability	2 g/s min.	10.2 g/s
C-732 Artificial Weathering	No washout, discoloration, loss of adhesion or cracking after 500 hours of weathering	Meets requirements
C-733 Volume Shrinkage	30% max.	28%
C-734 Low Temperature Flexibility	No cracking through to substrates or adhesion loss	Meets requirements
C-736 Extension Recovery	Recovery 75% min. Adhesion loss 25% max.	92.7% 25%
D-2202 Slump	0.15 inches max.	0.08 inches
D-2203 Staining	3 max.	0
D-2377 Tack-Free Time	No adhesion to polyethylene film after 72 hours at room temperature	<1 hour

SPECIFICATIONS

BOSS® 350 meets the following specifications: ASTM C834, ASTM E 84, Surface Burn Test and UL 723.



CAULKING AND SEALANTS SURFACE BURNING CHARACTERISTICS 51HM

Surface burning characteristics applied to inorganic reinforced cement board. Applied in two 2 in. wide by 1/32 in. thick strips, 8 in. OC.

Flame Spread-0 Smoke Developed-0

PACKAGING

BOSS® 350 is available in standard caulking cartridges.

SHIPPING LIMITATIONS

None.

Nonreactive VOC 16 g/l (<1.5% wt)

PAINTABILITY

A minimum of 2 hours dry time is required before painting with latex or oil base paint. Allow extra dry time during periods of high humidity and/or cool temperatures.

CLEAN UP

Excess caulk should be cleaned off tools and nonporous surfaces while it is in the uncured state using a wet cloth. Cured compounds should be cut away.

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 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® 350** 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.

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.

BOSS® PRODUCTS

Accumetric, LLC
350 Ring Road
Elizabethtown,
Kentucky 42701 USA
800-928-BOSS(2677)
TEL (270)769-3385
FAX (270)765-2412
Outside U.S.
TEL +1(270)769-3385
FAX +1(270)765-2412

Accumetric Asia Pacific, LTD
18 Kitpanit Bldg. 5th Floor
#502 Patpong Road
Suriyawong, Bangrak
Bangkok, 10500 Thailand
TEL (662)634-3060
FAX (662)634-3066

www.bossproducts.com