

# BOSS® 343 Low Modulus Polyurethane Sealant

### TYPICAL PROPERTIES

Colors ..... black, grey, white, sand

#### Uncured

Tooling Time @70°F and 50% RH, minutes ..... 50-60

Rate of Cure @70°F and 50% RH, ..... 3/16 in. per 24 hours

Flow, Sag or Slump ..... Nil

#### Cured

Hardness, Shore A, ASTM C661 ..... 15

Elongation, ASTM D412, % ..... >1000

Peel, ASTM C794, pli ..... >25

Elastic Modulus psi @ 100% Elongation, ASTM D412 ..... 28

Temperature Range ..... -22°F to 175°F (-30°C to 80°C)

Shelf Life, months ..... 12

\*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® 343** is a low modulus single component moisture curing polyurethane sealant. Due to its low modulus even at low temperatures, **BOSS® 343** Polyurethane is particularly recommended for expansion joints between pre-cast concrete panels. **BOSS® 343** turns into a flexible and resistant elastomeric seam and has good adhesion to most building materials.

### SPECIFICATIONS

**BOSS® 343** Polyurethane Adhesive/Sealant meets or exceeds the following: TT-S-00230C (Type II) Class A, ASTM C-920 Type S, Grade NS, Class 25, Use-NT, A and M.

### FEATURES

- Primerless adhesion to most building materials
- Non-sag formulation
- Excellent weatherability
- Paintable
- Cures to a tough, flexible rubber
- Low Modulus

## HOW TO USE

### **Material Preparation**

For successful bonding and sealing, substrates must be free of excess dust, dirt, moisture and oils. Clean substrate with a degreasing solvent. In some instances, slight abrasion of the substrate surface may be necessary to ensure proper adhesion.

### **Application**

Maximum joint width should not exceed 1-1/4" and should be no deeper than 3/8". For greater depth use a foam backer rod to within 3/8" of desired surface level.

Sealant should be applied by "pushing" the bead ahead of nozzle forcing the sealant into the joint ensuring adequate contact with all joint surfaces.

Tooling of material needs to be completed within 40 minutes of application. Excess sealant should be removed with a clean dry cloth within the tooling time while still uncured.

If joint has been masked, masking material should be removed immediately after sealant application as cured sealant is difficult to remove.

## PACKAGING

**BOSS® 343** Low Modulus Polyurethane Adhesive/Sealant is available in standard 10.3 fl. oz. fiber foil cartridges, 4.5 gallon pails and 55 gallon drums. Other sizes available upon request.

## STORAGE AND SHELF LIFE

When stored in original unopened container at or below 80°F, **BOSS® 343** Low Modulus Polyurethane Adhesive/Sealant has a shelf life of 12 months from date of shipment. Containers should always be kept sealed when not in use.

## CAUTION

Flammable — contains Xylene. Keep away from heat, sparks and open flame. Use with adequate ventilation. Avoid prolonged breathing of direct concentrated vapor. When applying, use ordinary sanitary precautions. Do not take internally. If swallowed do not induce vomiting. Call a physician. Keep container closed when not in use. Store in cool place.

**KEEP OUT OF REACH OF CHILDREN.  
FOR INDUSTRIAL USE ONLY.**

## 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.

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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, KY 42701  
800-928-BOSS(2677)  
270-769-3385 FAX 270-765-2412  
[www.accumetricinc.com](http://www.accumetricinc.com)