

# BOSS®

## PRODUCT INFORMATION

# BOSS® PU 25 Polyurethane sealant

### TYPICAL PROPERTIES

Consistency .....	Non sag thixotropic Paste
Tooling time (at 20°C and 50% R.H.).....	10 min
Skin formation time.....	30 min
Specific Gravity .....	1.35
Curing.....	4 mm per 24 hours
Shore A hardness.....	40-45
Elongation at break.....	> 550%
Application temperature .....	+5 to + 35° C
Temperature resistance.....	-30 to +80° C
Substrate staining.....	none
Tensile Strength .....	20kg/cm <sup>2</sup>
Tear Strength .....	15 kg/cm <sup>2</sup>
Resistance to weathering .....	excellent
Resistance to UV .....	excellent
Resistance to diluted acids and bases .....	medium
Standard Colors.....	black, grey, and white

Special colours available to order

\*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® PU 25** is low modulus one-component moisture curing Class A polyurethane sealant. It cures into a flexible, durable and weather resistant elastomeric sealant that has very good adhesion to most construction and industrial materials. It can accommodate cyclic joint movement of 50% (+/-25%) of the joint width.

**BOSS®PU 25** is recommended for use in moving expansion joints between pre-cast concrete panels, brick and block work, granite, marble and sandstone, aluminum windows, FRP, metal, coated metal curtain walls and seams on timber, aluminum, U-PVC joinery, etc.,.

**BOSS®PU 25** can be used for bonding or sealing lap seams on trucks, bus, trains, trailers, roofs vans, RV's specialty vehicles and constructions panels.

### SPECIFICATIONS

**BOSS®PU 25** 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**
- ◆ **Tools easily**

## 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® PU 25** Polyurethane Adhesive/Sealant is available in standard 310 ml Cartridge, 600 ml Sausage, 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® PU 25** Polyurethane Adhesive/Sealant has a shelf life of 12 months from date of manufacture. Containers should always be kept sealed when not in use.

## WARNING!

MAY CAUSE EYE AND SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN AND/OR RESPIRATORY REACTION IN PERSONS PREVIOUSLY SENSITIZED TO ISOCYANATE.

Precautions: Keep away from heat and flame. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Provide adequate ventilation to maintain vapor concentration below recommended exposure limits. Do not ingest. Keep container closed when not in use. KEEP OUT OF REACH OF CHILDREN.

### **Suggested first aid:**

Eye contact: Flush eyes with plenty of water. If irritation persists, call a physician. Skin contact: Wash thoroughly with soap and plenty of water. Remove contaminated clothing and shoes. If signs/symptoms occur, call a physician.

Inhalation: Remove person to fresh air. If symptoms continue, call a physician. If swallowed: Do not induce vomiting. Drink two glasses of water. Call a physician.

## 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.

The supplier warrants only that its products will meet its specifications. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. The user's exclusive remedy and the supplier's sole liability is limited to refund of the purchase price or replacement of any product shown to be otherwise than as warranted. The supplier will not be liable for incidental or consequential damages of any kind. Suggestions of uses should not be taken as inducements to infringe any patents.

## **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](http://www.bossproducts.com)