

BOSS®

PRODUCT INFORMATION

BOSS® PU 50 Polyurethane Adhesive/ sealant

TYPICAL PROPERTIES

Consistency.....	Pasty
Sagging.....	None
Density.....	1.2
Skin formation time.....	40 minutes
Curing speed.....	4 mm per 24 hours
Shore A hardness	50- 55
Elongation at break	> 400%
Tensile strength	4 N/mm ²
Tear Strength.....	8 N/mm ²
Application temperature.....	+5 to +35°C
Resistance to UV.....	good
Resistance to water and salt water.....	excellent
Color	black, grey, and white

*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®PU50 is a fast-curing one-component moisture curing polyurethane adhesive sealant that turns into a flexible, durable and resistant elastomeric seam and has a very good adhesion to most industrial materials.

BOSS®PU50 has high elasticity and excellent tear, vibration and weathering resistance. Easy to apply, it adheres without primer to the most common substrates, such as glass, anodized aluminum, lacquered metal, wood, FRP, and concrete.

SPECIFICATIONS:

BOSS® PU 50 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 metal ,glass and 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 50 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 50** 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.

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