

## BOSS<sup>®</sup> 399 100% Glazing Silicone Sealant

### TYPICAL PROPERTIES

#### Uncured

Specific Gravity – Colors .....	1.20
– Clear .....	1.00
Sag/Slump .....	NIL
Tack-Free Time .....	15 min.
Cure Time at 75°F (24°C) and 50% RH (3/8" thickness) .....	24 hours
Extrusion Rate .....	275 g/min.

#### Cured – Physical

Elongation .....	500%
Durometer Hardness, Shore A, points	
Clear .....	16
Colors .....	27
Tensile Strength, psi .....	260
Service Temperature .....	-40°F to 325°F
Application Temperature .....	-35°F to 140°F

\*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 Soudal.



### DESCRIPTION

**BOSS<sup>®</sup> 399** 100% Glazing Silicone Sealant is a one-part, neutral curing, medium modulus sealant formulated for the window and door glazing market. It offers primerless adhesion to vinyl, wood and aluminum. For use as a primary backbedding compound as well as a perimeter weatherseal for field glazing and window installation.

**BOSS<sup>®</sup> 399** cures in the presence of moisture and oxygen to provide excellent resistance to cold, rain, ozone, heat and sunlight.

### FEATURES

- **VOC Compliant in all 50 states**
- **Low odor**
- **Excellent backbedding sealant**
- **Medium modulus**
- **Primerless adhesion**
- **Bonds to Kynar 500<sup>®</sup>**

## SPECIFICATIONS

**BOSS® 399** 100% Glazing Silicone Sealant fully meets or exceeds the requirements of the following specifications: AAMA 802.3-92 TI, AAMA 802.3-92 TII, AAMA-803.3-92 TI, AAMA 805.2-92, ASTM C920-86, TT-S-001543A, and TT-S-00230C.



## HOW TO USE

### Applying the Material – Tack-Free Time

**BOSS® 399** 100% Glazing Silicone Sealant is supplied ready-to-use. Under pressure it flows readily from its container. The paste-like consistency makes it easy to work; a spatula or wooden paddle can be used for tooling the surface.

The cure progresses inward from the surface. At conditions of at least 75°F (24°C) and 50 percent relative humidity, the sealant forms a tack-free skin in 15-20 minutes. Tooling is not practical after this skin begins forming, and should be completed within 5-7 minutes of application, even though this may require alternate periods of applying and tooling. Likewise, if masking tape has been used to mark off an area, it should be removed before the tack-free skin forms.

## CLEAN UP

Uncured sealant can be easily removed using 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.

## COLORS

**BOSS® 399** 100% Glazing Silicone Sealant is available in clear, white, blue white, bronze, cocoa, beige and black. Special colors available upon request.

## PACKAGING

**BOSS® 399** 100% Glazing Silicone Sealant is available in standard cartridges, 5 gallon pails and 55 gallon drums. Other sizes available upon request.

## SHIPPING LIMITATIONS

None.

Reactive VOC 29 g/l (<3% wt) (Clear)

Reactive VOC 26 g/l (<3% wt) (Colors)

## STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 80°F (27°C), **BOSS® 399** 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.

## 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 only outdoors or in a well ventilated area. 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 Safety Data Sheet (SDS).

## 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 Soudal's control, we can accept no liability for the results obtained. Soudal'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. Soudal 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**

**Soudal**

350 Ring Road / Elizabethtown, KY 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

[www.bossproducts.com](http://www.bossproducts.com)