

BOSS[®] 535 Polyurethane Sealant

TYPICAL PROPERTIES

Uncured

Flow Sag or Slump NIL

Skin Time.....50-60 min

Cured – Physical

7 Days at 77°F (25°C) and 50% RH (1/8" thickness)

Durometer Shore A Hardness30±5 points

Specific Gravity 1.53

Tensile Strength..... 165 psi

Elongation > 800%

Modulus..... 85 psi

Shrinkage NIL

Service Temperature..... -22°F to 194°F

Application Temperature41°F to 86°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 Soudal Accumetric.



DESCRIPTION

BOSS[®] 535 Polyurethane Sealant is a high quality, elastic, 1-component professional grade based on polyurethane.

BOSS[®] 535 is very easy to apply, and offers good weather and UV resistance. It remains permanently elastic after curing. It does not bubble in high temperature and humidity, and is formatted to adhere very well to many materials. It can be painted with most types of paint systems.

*Test small area for compatibility before painting

FEATURES

- 50% Movement
- Very good adhesion to large variety of substrates
- No bubble formation within sealant (in high temperature and humidity applications)
- Qualifies for LEED Credits
- Ease of use, one-part adhesive sealant, no mixing required
- Good weatherability - virtually unaffected by sunlight, rain, snow, ozone, and temperature extremes
- Good UV resistance and color stability
- Long life reliability; cured sealant stays flexible without tearing, cracking, drying out, or becoming brittle.
- With its non slump properties, can be used in vertical, horizontal and overhead joints
- Non-yellowing and non-staining
- Non-streaking
- Paintable with most paint systems
- Free from solvents and isocyanates

SPECIFICATIONS

BOSS® 535 Polyurethane Sealant conforms to the requirements of LEED. Low-emitting materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED® 2009 4.1: Low-Emitting Materials — Adhesives and Sealants concerning the VOC Content.

BOSS® 535 Polyurethane Sealant also meets ASTM C920 Class 50, TT-S-00230C, and CAN/CGSB 19.13-M87.

APPLICATIONS

BOSS® 535 Polyurethane Sealant is designed to produce a flexible joint sealant with excellent adhesion to various substrates. **BOSS® 535** is suited to all building joints with high movement, including construction joints between window frames, door frames, and walls. It is formatted for joints with large movement, but can also seal shrinking joints in concrete floors, as well as other floor joints.

BOSS® 535 Polyurethane Sealant has excellent adhesion to many building materials including Kynar 500®, coated metals, glass, EIFS, galvanized steel, residential/commercial roofing, flashings, vents, downspouts, gutters, tiles, concrete and wood.

HOW TO USE

Make sure the joint design is correct.

Proper joint design minimizes stresses on the sealant. The minimum width for joints is 3/16" and the maximum width is 1 3/16." The minimum depth of joints is 3/16." The recommended joint width is 2 x the depth.

Clean the joint surface on both new and old jobs.

Surfaces must be clean, dry, and sound. Since new material is often covered with a protective film, solvent-wash all surface materials with a wet brush and an oil-free solvent. Ensure that surfaces are dust free.

Use masking tape where bead lines of exact shapes are required.

Masking tape should be removed immediately after a bead is completed before a skin begins to form.

Apply sealant to dry, clean surfaces.

A manual- or pneumatic caulking gun may be used. Surfaces should be dry before the sealant is applied. Ensure that surfaces to receive the sealant are dust free. Uncured sealant may be cleaned from tools using commercial solvent.

Tool joint, if necessary, and remove masking tape.

Tooling should be completed in one continuous stroke. Tool immediately after sealant is applied and before a skin begins to form. Do not use soap or oil as a tool aid. Remove masking tape immediately after tooling is completed.

CLEAN UP

Before curing, use White Spirit or Soudal Surface Cleaner immediately after use.

COLORS

BOSS® 535 is available in white, black, grey, limestone and medium bronze. Available by special order only: aluminum grey, redwood tan, stone, tan and special bronze.

PACKAGING

BOSS® 535 Multi-Seal® is available in standard caulking cartridges.

SHIPPING LIMITATIONS

None.

Reactive VOC 10 g/l (<1% wt) (Colors)

LIMITATIONS

- It does not adhere to glass, PE, PP, or PTFE (Teflon). It is recommended that you test adhesion on every surface.
- Do not apply in the presence of uncured silicone sealants, alcohol, or other solvent cleaners.
- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discoloration and loss of adhesion.

STORAGE AND SHELF LIFE

When stored in the original unopened containers, in a cool dry place, between 41°F and 77°F, **BOSS® 535** Polyurethane Sealant has a shelf life of 15 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 THE 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.

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Suggestions of uses should not be taken as inducements to infringe any patents.

MADE IN U.S.A.

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