



BOSS[®] 389+ WEATHER SEALANT

TECHNICAL DATA

Uncured

Density**	
Clear	1.00 ± 0.02 (g/ml)
Colors	1.36 ± 0.02 (g/ml)
Flow, Sag or Slump	NIL
Skin Formation Time* (22°C / 50% R.H)	10 - 30 min
Curing Rate* (22°C / 50% R.H)	3mm / 24 hours

Cured-Physical

Elongation	>300%
Durometer Hardness, Shore A, points	25 - 32
Tensile Strength, N/mm ²	1.5 - 2.0
Maximum Allowed Distortion	25%
Service Temperature	-50°C to 150°C

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

** This information relates to fully cured product.

Description

BOSS[®] 389+ weatherproofing silicone sealant is a one-part neutral cure, construction grade sealant that easily extrudes in any weather. It quickly cures at room temperature by reaction with moisture in the air to form a durable, flexible weather silicone seal. It has medium modulus characteristics and excellent unprimed-adhesion to most construction materials like ACP, glass, aluminium, wood, ceramic etc.

Benefits

- Neutral cure - suitable for use on masonry substrates and will not corrode most building components
- Long open time
- Good weatherability - it is virtually unaffected by sunlight, rain, snow, ozone or temperature extremes
- Compatible with all structural silicone sealant

- Medium modulus - with expansion/compression capability up to ± 25% of original joint width
- Permanently elastic after curing which stays elastomeric from -50°C to 150°C without hardening, cracking or becoming brittle under normal weather conditions

How to use

Clean joints by removing all foreign particles and contaminants such as grease, oil, dust, water, frost, surfaces dirt, old sealant. Install backing material or joint filler, setting blocks, spacer shims, and tapes. Areas adjacent to joints may be masked to ensure neat sealant line. Primer is generally not required on non-porous surfaces. To ensure optimum adhesion on either a porous or non-porous surface, adhesion testing should always be carried out prior to commencement of any project.

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Apply BOSS[®] 389+ weatherproofing silicone sealant in continuous operation using consistent pressure. Tool the sealant with light pressure to spread the sealant against backing material and the joint surface before skin forms. The applied sealant should be tooled within 10 minutes or before a cured skin forms. Remove masking tape as soon as the bead is tooled.

Limitations

- Not suitable as adhesive for structural glazing applications
- Do not use on natural stones like marble, granite (staining)
- A total absence of UV can cause a color change in the sealant
- In an acid environment or in a dark room, white silicone can slightly turn yellow
- Under the influence of sunlight it will turn back to its initial colour
- When finished with a finishing solution or soapy solution, make sure that the surfaces are not touched by this solution. Therefore we recommend to dip only the finishing tool in this solution and then tool
- We strongly recommend not to apply the product in full sunlight as it will dry very fast
- Do not use on polycarbonate

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 with adequate ventilation. 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.

Storage and shelf life

Storage and shelf life When stored in the original unopened containers at or below 80°F (27°C), BOSS[®] 389+ 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 nos. high. DO NOT store within 1 meter (4 feet) of roofline of the warehouse or storage building.

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 Accumetric's control, we can accept no liability for the results obtained. Accumetric'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. Accumetric will not be liable for



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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.

Packaging

BOSS® 389+ weatherproofing silicone sealant is available in standard 290 ml and 600 ml caulking cartridges. Other sizes available upon request.

Shipping limitations

None.

Disclaimer: This technical data sheet replaces all previous versions. The directives contained within this documentation are the result of our experiments and experience, and have been submitted in good faith. Because of the diversity of the materials and substrates, in addition to the great number of possible applications that go beyond our control, we cannot accept any responsibility for the results obtained. Further, since the design, quality of the substrate, and processing conditions are beyond our control, no liability under this publication will be accepted. In every case, it's therefore recommended to carry out preliminary experiments. BOSS reserves the right to modify its products, without prior notice.

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