TECHNICAL DATA SHEET

BOSS® PRODUCTS

REVISION | 05-07-2024

BOSS® 389+ WEATHER SEALANT

TECHNICAL DATA	
Basis	Polysiloxane
Consistency	Stable paste
Curing System	Moisture curing
Density	
Clear	1.00 ± 0.02 g/ml
Colour	1.27 ± 0.01 g/ml
Skin Formation Time* (23°C/50% R.H.)	8 min
Tack Free Time* (23°C/50% R.H.)	>13 min
Curing Rate * (23°C/50% R.H.)	2.5 mm/24 hours
Flow, Sag or Slump	NIL
Hardness, Shore A, Points** (ISO 868)	30 - 35
Tensile Strength** (ISO 37)	1.0 - 1.5 N/mm^2
Elongation** (ISO 37)	≥ 700 %
Maximum Allowed Distortion (ISO 11600)	± 50 %
Service Temperature** (°C)	-50°C to 180°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 silicone seal. It has medium modulus characteristics.

Properties

- Neutral cure - suitable for use on masonry substrates & non-corrosive
- Good weatherability
- Excellent moisture resistance
- Excellent adhesion properties on glass, laminated glass, coated aluminium, galvanised steel, concrete and masonry
- Very good resistance to ageing

Applications

Excellent unprimed-adhesion to most construction materials like ACP, glass, coated aluminium, wood, ceramic etc.

Packaging

Colour: Clear, black, white, dark grey & other colours available on request.
Packaging: 290 ml cartridges.

Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C & +25°C.

Substrates

Substrates: all usual building substrates
Nature: Rigid, clean, dry, free of dust and grease.
Surface preparation: BOSS® 389+ has a good adhesion to most substrates. However, for optimal adhesion and in critical applications, such as joints exposed to extreme weather conditions, high- or water-loaded joints, we recommend to follow a pre-treatment procedure. Prepare non-porous surfaces with a BOSS® activator or cleaner (see Technical Data Sheet). Porous surfaces should be primed with Primer 50. There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary adhesion test on any substrate. Due to the wide variety materials used in façade technology a preliminary compatibility test is necessary.

TECHNICAL DATA SHEET

BOSS® PRODUCTS

REVISION | 05-07-2024

BOSS® 389+ WEATHER SEALANT

Application method

Apply the product by means of a manual-, battery- or pneumatic- caulking gun. Apply BOSS® 389+ evenly without air inclusions into the joint. Smoothen the joint with a spatula with the help of finishing solution. Avoid that soapy solution comes between the joint edges and sealant (to prevent adhesion loss).

Health- and Safety Recommendations

DIRECT CONTACT OF UNCURED SEALANT IRRITATES EYES AND MAY IRRITATE SKIN. OVEREXPOSURE TO VAPOUR MAY IRRTATE 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.

Remarks

- Not suitable as adhesive for structural glazing applications.
- Do not use on natural stones like marble, granite,...(staining). Use BOSS® 389+ for this application.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in color does not affect the technical properties of the product.
- A total absence of UV can cause a color change of the sealant.
- When finished with a finishing solution or soapy solution, make sure that the surfaces are not touched by this solution. This will cause the sealant not to adhere to that surface. Therefore we recommend to only dip the finishing tool in this solution.
- We strongly recommend not to apply the Finishing Solution in full sunlight as it will dry very fast in these circumstances.
- Do not use in applications where continuous water immersion is possible.
- Not suitable for bonding aquariums.
- 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 discolouration and loss of adhesion.

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.

Accumetric Silicone Pvt Ltd
Plot No.17, CMDA's Industrial Area, Melrosapuram,
Sengundram Village, S.P.Koil Post,
Chengalpattu – 603 204.
Email: info@bossproducts.in
Website: www.bossproducts.in