



BOSS[®] 394 NEUTRAL SEALANT

TECHNICAL DATA

Basis	Polysiloxane
Consistency	Stable paste
Curing System	Moisture curing
Density	0.98 ± 0.02 g/ml
Skin Formation Time* (22°C/45-55% R.H.)	3 - 10
Curing Rate * (22°C/45-55% R.H.)	2.5 - 3.0 mm/24 hours
Flow, Sag or Slump	NIL
Hardness, Points** (ISO 868)	18 - 25 Shore A
Tensile Strength** (ISO 37)	1.0 - 1.4 N/mm ²
Elongation** (ISO 37)	>450 %
Temperature Resistance**	-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[®] 394 Non - Corrosive industrial grade Neutral Cure Silicone Sealant is a one-part, low odour, that offers excellent adhesion, weatherability and compatibility with wide variety of substrates. It can be used to meet a variety of sealing and bonding needs.

Properties

- Non-Corrosive
- Neutral cure/low odour
- Low modulus
- VOC Compliant
- Permanently flexible
- Waterproof/weatherproof

Application

- Other bondable surfaces include anodized aluminium, UPVC, wood, ceramics, painted surfaces, and most plastics.
- The product is ideally suited for sealing and bonding with glass, glazed surfaces, and galvanized steel.

Packaging

Packaging: 280ml standard caulking cartridges & other sizes available on request.
Colours: Clear, white, black.

Shelf life

When stored in the original unopened conditions at or below 80°F (27°C), BOSS[®] 394 has a shelf life of 12 months from date of manufacturing.

Substrates

Nature: rigid, clean, dry, free of dust and grease.

Surface preparation: Porous surfaces should be primed with Primer. No primer needed for non-porous substrates. There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary adhesion test on any substrate.

Application method

Apply the product by means of a manual-, battery- or pneumatic- caulking gun. Apply BOSS[®] 394 evenly without air inclusions into the joint. Smoothen the joint



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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 recommendation

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

Remarks

- Not suitable for applications involving prolonged submersion in water, including aquariums
- Not recommended for surfaces that require painting
- Not suitable for Totally confined spaces, as sealant needs atmospheric moisture for curing
- Not suitable for structural glazing

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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