



BOSS® 396 NEUTRAL CURE SILICONE SEALANT

TECHNICAL DATA

Basis	Polysiloxane
Consistency	Stable paste
Curing System	Moisture curing
Density	
Clear	0.98 ± 0.02 g/ml
Colors	1.26 ± 0.02 g/ml
Skin Formation Time* (23°C/50% R.H.)	6 min
Tack Free Time* (23°C/50% R.H.)	12 min
Curing Rate* (23°C/50% R.H.)	2.4 mm / 24 hours
Flow, Sag or Slump	NIL
Hardness, Shore A, Points** (ISO 868)	30-35
Tensile Strength** (ISO 37)	≥1.00 N/mm ²
Elongation** (ISO 37)	≥600%
Maximum Allowed Distortion (ISO 11600)	± 25 %
Temperature Resistance**	-40°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® 396 Neutral Silicone Sealant is a high quality, low odour, one-part sealant that offers excellent adhesion, compatibility with a wide variety of substrates, and excellent weatherability. BOSS® 396 is ideally suited for general purpose glazing, sealing applications.

Properties

- Excellent adhesion to versatile substrate
- Low odour
- Non-corrosive to metal
- Good UV resistant
- Cures at room temperature when exposed to atmospheric moisture in the air

Application

BOSS® 396 has excellent adhesion to glass, glazed surfaces, aluminum, concrete, cement, wood and many plastics uPVC, window perimeter etc.

Packaging

Packaging: 270 ml.

Colours: Clear, black, white, grey white & pure white.

Shelf life

When stored in original unopened container at or below 80°F (27°C), BOSS® 396 has a shelf life of 12 months from the date of manufacturing.

Substrates

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

Surface preparation: Porous surfaces should be primed with Primer 50. 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

BOSS® 396 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. At conditions of at least 75°F (24°C) and 50% relative humidity, the sealant forms a skin in 5-10 minutes. Tooling is not practical after this skin forming begins, and should be completed within 5-6 minutes of application, even though this may require alternate



TECHNICAL DATA SHEET

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periods of applying and tooling. Likewise, if masking tape has been used to mark off an area, it should be removed before the skin forms.

Health & 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 for use in areas of constant water immersion
- Not for traffic areas or areas subject to abrasion
- Not for bathrooms where mildew resistance is required
- Not paintable

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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