



BOSS® 395 FOOD-GRADE INDUSTRIAL SEALANT

TECHNICAL DATA

Basis	Polysiloxane
Consistency	Stable paste
Curing System	Moisture curing
Density (g/ml)	1.0 ± 0.02
Skin Formation Time* (22°C/45-55% R.H.) (min)	5-15
Tack Free Time * (22°C/45-55% R.H.) (min)	<15
Curing Rate * (22°C/45-55% R.H.) (mm/24 hours)	3
Flow, Sag or Slump (mm)	NIL
Hardness, Shore A, Points** (ISO 868)	15-30
Tensile Strength**, (N/mm²) (ISO 37)	1-2
Tensile Shear, (N/mm²)	>0.5
Elongation** (%) (ISO 37)	>400
Maximum Allowed Distortion (%) (ISO 11600)	25
Temperature Resistance** (°C)	-40 to 200

* 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® 395 Non-Corrosive, Food-Grade Industrial Silicone is a high-performance, one-component adhesive/sealant formulated for industrial and electrical applications. BOSS® 395 remains permanently flexible and exhibits excellent adhesion to a wide variety of substrates.

Properties

- Non-Corrosive
- Neutral cure/low odour
- Medium modulus
- Excellent adhesion to vinyl, wood, steel, aluminum, glass and plastic
- VOC Compliant
- Permanently flexible
- Waterproof/weatherproof

Application

- Bonding appliance parts
- Gasketing application in gearbox, engine, and other industrial applications
- Sealing electrical equipment

Packaging

Packaging: 280ml cartridges & other sizes available on request.

Colours: Black, clear, white, Red.

Shelf life

When stored in the original unopened conditions at or below 80°F (27°C), BOSS® 395 has a shelf life of 12 months from date of manufacturing. 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.

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Substrates

Substrates: All usual building substrates, no pvc, not suitable for concrete.

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

Surface preparation: Porous surfaces should be primed with Primer 150. 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.

Joint dimensions

Min. width for joints: 5 mm

Max. width for joints: 30 mm

Min. depth for joints: 5 mm

Recommendation sealing jobs: joint width = 2 x joint depth

Application method

Apply the product by means of a manual-, battery- or pneumatic- caulking gun. Apply BOSS® 395 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 & 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 recommended for applications involving prolonged submersion in water, including aquariums
- Not recommended for surfaces that require painting
- Not recommended for totally confined spaces, as sealant needs atmospheric moisture for curing
- Do not use for structural glazing

Specifications

BOSS® 395 is in compliance with specifications of FDA 21-177.2600. It meets performance requirements of FDA for use in establishments operating in the food and pharmaceuticals industries.