



## BOSS® 535 INDUSTRIAL SEALANT

### TECHNICAL DATA

Basis	Polysiloxane
Consistency	Stable paste
Curing System	Moisture curing
Density (g/ml)	1.02 ± 0.02
Flow, Sag or Slump (mm)	Nil
Skin Formation Time* (22°C/45-55% R.H.) (min)	4-12
Curing Rate* (22°C/45-55% R.H.) (mm/24 hours)	3
Hardness, Shore A, points** (ISO 868)	>400
Tensile strength, (N/mm <sup>2</sup> )** (ISO 37)	1.2-2.0
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® 535 Non-Corrosive, Industrial Silicone is a high-performance, one-component adhesive/sealant formulated for industrial and electrical applications. BOSS® 535 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

BOSS® 535 is ideal for sealing and bonding in HVAC, clean rooms and cold storage manufacturing and for gasketing application in gear box, engine and other industrial applications. It has good resistance to gasoline, engine oil, gear oil & water. It is also suitable for sealing applications in Food and Pharmaceutical units.

### Packaging

BOSS® 535 Industrial Silicone is available in standard caulking 280ml cartridges. Other sizes available on request.

Colour: Red, clear, white, black.

### Shelf life

When stored in the original unopened containers at or below (27°C), BOSS® 535 has a shelf life of 12 months from date of shipment.



## BOSS<sup>®</sup> 535 INDUSTRIAL SEALANT

### 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<sup>®</sup>) 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

Applying the material: BOSS<sup>®</sup> 535 Industrial silicone 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. The cure progresses inward from the surface. At conditions of at least (22°C) and 50% relative humidity, the sealant forms a tack-free skin in 30 minutes. Tooling is not practical after this skin begins forming, and should be completed within 5-10 minutes of application, even though this may require alternate 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 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