TECHNICAL DATA SHEET

BOSS® PRODUCTS

REVISION | 01-02-2023

BOSS® HIGH TEMP RTV SILICONE SEALANT (BLUE-S)

TECHNICAL DATA	
Basis	Polysiloxane
Consistency	Stable paste
Curing System	Moisture curing
Density (g/ml)	1.35 ± 0.03
Skin Formation * (min)	8-15
Curing Speed * (mm/24 hours)	2-3
Durometer Hardness, Shore A, Points** ISO 868	50 ± 5
Max. Tension** (DIN 53504) (N/mm^2)	2.40
Elasticity Modulus 100%** (DIN 53504) (N/mm^2)	1
Elongation at Break** (DIN 53504) (%)	> 485
Temperature Resistance (°C)	-50 to 180
Application Temperature (°C)	5 to 35

* 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® Hi-Temp RTV Silicone Sealant (Blue) is an elastic, single component engineering sealant based on silicone which withstands high temperatures.

Properties

- Good sealing performance
- Elastic after curing
- Neutral curing, high modulus
- High adhesion force
- Temperature resistance up to 180°C

Applications

- Sealing of heating installations
- Sealing in pumps and engines
- All sealing applications that require high temperature resistance.

Packaging

Packaging: 85g tubes.Other sizes available upon request.
Colours: Blue

Shelf life

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

Substrates

Substrates: all usual building substrates, all metals.
Nature: clean, dry, free of dust and grease.
Surface preparation: Porous surfaces in water loaded applications should be primed with Primer 150. All smooth surfaces can be treated with Surface Activator. There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary adhesion test on every surface.

TECHNICAL DATA SHEET

BOSS® PRODUCTS

REVISION | 01-02-2023

BOSS® HIGH TEMP RTV SILICONE SEALANT (BLUE-S)

Application method

BOSS® Hi-Temp RTV 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. The cure progresses inward from the surface. At conditions of least 77°F (25°C) and 50% relative humidity, the sealant forms a tack-free skin within 15 minutes. Tooling is not practical after this skin begins forming and should be completed within 5 to 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 the area, it should be removed before the tack-free skin forms.

Health and safety recommendation

Take the usual labour hygiene into account. Consult label for more information.

Remarks

- 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 product in full sunlight as it will dry very fast.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.

Accumetric Silicones Pvt Ltd
No. 16/1, Corporation Road, Seevaram, Perungudi,
Chennai - 600 096, Tamil Nadu, India.
Customer Support: +91 44 4026 0345 - 60
indiasales@bossproducts.com
www.bossproducts.in