TECHNICAL DATA SHEET

BOSS® PRODUCTS

REVISION | 05-03-2023

BOSS® 565

TECHNICAL DATA	
Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Density@23 °C (g/ml)	1.40±0.05
Skin Formation Time* (min)	5 –15
Tack Free Time (min)	5-20
Curing Rate * (23°C/50% R.H.)(mm/24hours)	2.5-3
Durometer Hardness, Shore A, Points** ISO 868	40-55
Tensile Strength** (N/mm²) ISO 37	≥2.0
Elongation** (%) ISO 37	>300
Thermal Conductivity (W/m.k)	≥0.4
Volume Resistivity Ω -cm	$>1X10^{14}$
Dielectric Strength KV/mm	≥17
Service Temperature** (°C)	-60 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® 565 is a high-quality, neutral, elastic one-component dealcoholisation silicone sealant. BOSS® 565 has been developed for weather sealing of various industrial applications.

Properties

- Very easy to apply
- Neutral curing and non-corrosive
- Excellent moisture resistance
- Resistant against UV-radiation, rain, frost, wind, ozone and extreme temperatures
- Excellent electrical insulation performance
- Excellent adhesion properties on glass, metals, steel, plastics and ceramics
- Very good resistance to ageing and yellowing

Applications

- For industrial and electrical application
- Sealing & bonding mechanical joints on wide variety of substrates
- Bonding and sealing of parts and fillings in instrument industry
- Bonding and sealing of household appliance, microwave oven, induction stove, heat pipe, coffee pot etc.,

Packaging

Colour: White and Black
Packaging: 300 ml and 2600 ml.

Shelf life

9 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +30°C.

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Substrates

Substrates: Aluminum stainless steel, iron, copper, glass, PC, PMMA, PET, ABS.
Nature: rigid, clean, dry, free of dust and grease.
Surface preparation: BOSS® 565 has a good adhesion to most substrates. However, for optimal adhesion and in critical applications, 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® 565 evenly without air inclusions into the joint.
Cleaning: Clean with BOSS® Surface Cleaner or with BOSS® Swipex, immediately after use Cured BOSS® 565 can only be removed mechanically.
Finishing: With a soapy solution or BOSS® Finishing Solution before skinning. Repair: With the same material.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult label and material safety data sheet for more information.

Remarks

- Not suitable as adhesive for structural glazing applications.

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