



**BOSS® 545**

**TECHNICAL DATA**

Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Density	1.40±0.05 g/ml
Skin Formation Time*	5-15 min
Tack Free Time*	5-20 min
Curing Rate * (23°C/50% R.H.)	2.5-3 mm/24hours
Hardness, Shore A, Points**ISO 868	40-55
Tensile Strength**ISO 37	≥2.0 N/mm²
Elongation**ISO 37	> 300 %
Thermal Conductivity	≥0.4 W/m.k
Volume Resistivity	> 1X10 <sup>14</sup> Ω -cm
Dielectric Strength	≥17 KV/mm
Service Temperature**	-60 to +200 °C

\*These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

\*\*This information relates to fully cured products.

## Description

BOSS® 545 is a high-quality, neutral, elastic one-component dealcoholisation silicone sealant. BOSS® 545 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..

## Storage & Shelf life

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

## Packaging

Colour: White and Black

Packaging: 300 ml and 2600 ml.

## Substrates

**Substrates:** Aluminum stainless steel, iron, copper, glass, PC, PMMA, PET, ABS.

**Nature:** rigid, clean, dry, free of dust and grease.

**Surface preparation:** BOSS® 545 has a good adhesion to most substrates. However, for optimal adhesion and in critical applications, we recommend a preliminary adhesion test on any substrate.



## BOSS<sup>®</sup> 545

### Application method

Apply the product by means of a manual-, battery- or pneumatic- caulking gun. Apply BOSS<sup>®</sup> 545 evenly without air inclusions into the joint.

**Cleaning:** Clean with BOSS<sup>®</sup> Surface Cleaner or with BOSS<sup>®</sup> Swipex, immediately after use Cured BOSS<sup>®</sup> 545 can only be removed mechanically.

**Finishing:** With a soapy solution or BOSS<sup>®</sup> 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.

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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