

ROMASIL data sheet

ROMASIL is a high-quality, one-component silicone sealant that cures through a chemically neutral cross-linking system. It is ideal for applications in the construction of refrigerated warehouses, as well as for expansion and connection joints both indoors and outdoors. The sealant provides reliable sealing of joints exposed to significant temperature fluctuations through room temperature vulcanization (RTV).

Property	Test Standard	Typical Values
Viscosity	Ambient temperature 23 °C	pasty, stable
Density	Ambient temperature 23 °C, 50 % RH, acc. to ISO 1183-1	RH ca. 1.0 g/cm ³
Shore-A hardness	acc. to ISO 868	approx. 30
Temperature resistance	-	- 40 to + 120 °C
Processing temperature	-	+ 5 to + 40 °C
Skin-forming time	Ambient temperature 23 °C, 50 % RH	approx. 10 min.
Curing in 24 hours	In 24 hours at an ambient temperature 23 °C, 50 % RH	approx. 2 to 3 mm
Tensile strength	acc. to ISO 37, S3A	approx. 1.7 N/mm ²
Tensile elongation	acc. to ISO 37, S3A	approx. 700 %
Permissible movement capability	-	25 %
Volume shrinkage during curing	-	approx. 3 %
Shelf life	Ambient temperature 23 °C, 50 % RH	Cartridge: 12 months
Paint compatibility	acc. to DIN 52452	Not paintable

Application Instructions

- **Surface Preparation:** Ensure that surfaces are clean, free of grease, dry, and capable of bearing loads. Remove any contaminants such as release agents, preservatives, grease, oil, dust, water, old adhesives/sealants, and other substances that may impair adhesion.
- **Storage:** Store unopened original packages dry (<60% RH) at temperatures between +15 °C and +25 °C. Prolonged storage at higher temperatures/humidity can alter material properties.
- **Processing:** Ensure good ventilation during application and curing. One-component silicones are not suitable for full-area bonding unless specific structural conditions apply
- **Compatibility:** Verify that materials in the contact area (solid, liquid, and gaseous) are compatible and do not damage or alter each other. For materials used later in the surrounding area, ensure they do not impair the product.

Safety Precaution

- Wear protective gloves and eye protection.
- In case of skin contact, wash thoroughly with water and soap.