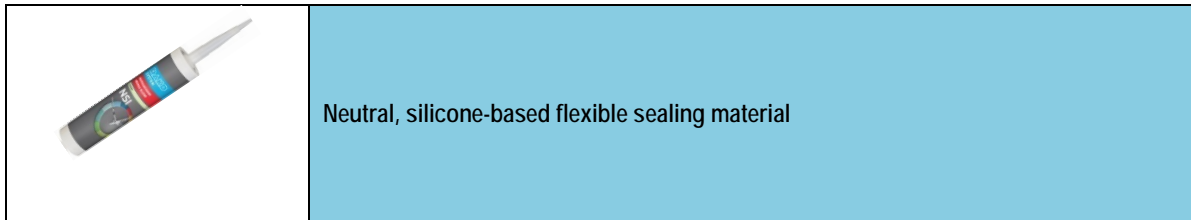


## NSI

### Sealants – neutral silicone



#### APPLICATION:

One-component neutral silicone sealant, vulcanising with air humidity.

This silicone has a very high elasticity of the surface film already shortly after its creation, thus enabling early loading of sealant.

It is characterised by good long-term adhesion to most non-porous materials, such as glazed surfaces and ceramics, glass, anodized aluminium, polyacrylate, polycarbonate, and varnished or lacquered wood.

Neutral silicone is intended for the sealing of contact and expansion joints.

This product is suitable for sanitary areas.

After full reaction, silicone is characterised with the excellent and long-lasting elasticity, return to its original state, and good adhesion also in extreme outdoor conditions.

#### COLOUR SHADES:

According to the manufacturer's colour chart.

#### Characteristic features:

- resistance to mildew
- resistance to abrasion
- resistance to UV radiation, ageing, and climatic effects
- fast curing (fast transition to tack-free state)
- high flexibility and stability (dimensional and material)
- good compatibility with coatings
- resistance to common cleaning agents and light mechanical cleaning

#### COMPOSITION:

Silicone elastomer – one-component silicone sealant with a neutral reaction and fungicidal additives. The product contains methanol.

#### TECHNICAL PARAMETERS:

Appearance:	drip-free paste
Specific weight:	1.01 g/cm <sup>3</sup>
Withering time:	approx. 35 min
Vulcanisation:	2-3 mm/24 hours
Module at break:	0.32
Elongation:	300%
Hardness:	24 Shore A
Application temperature:	+5°C to +30°C
Heat resistance:	-40°C to +150°C
Resistance to UV radiation:	yes

#### BASE PREPARATION:

The base must load-bearing, dry, free of dust, dirt, oil, and other impurities. Rust and loose coatings negatively affect adhesion, therefore, they need to be removed. The minimum joint cross-section is 3 x 5 mm. The width for some joints must be calculated in such a way to not exceed the permissible total deformation of the silicone sealant (motion transfer ability).

#### Joint preparation:

In order to create the optimal shape of the sealant, the joint should be thoroughly clean, and, if necessary, the **PES** sealing cord with a closed cell structure should be inserted. The inserted **PES** cord prevents the undesirable adhesion of subsequently applied silicone on the bottom of the joint. If other filling material is used, this should be a silicone-compatible material. Oil, tar, or bitumen-containing filling materials, and natural rubber-based materials, chloroprene and EPDM are not suitable.

#### Improvement of adhesion:

Silicone adheres to many bases, such as glass, ceramics, epoxy coatings, and enamels. To increase adhesion, **Primer NP** can be used. If necessary, perform the adhesion test.

#### PROCESSING:

To achieve optically superior joints, it is recommended to cover the joint edges with a suitable adhesive tape. Press the silicone into the joint so as to avoid the formation of air cavities. Fill the gap completely. Using a spatula of suitable shape, remove the excess sealing material. Then, remove the adhesive tape. Using a sprayer, apply the smoothing solution and smooth the surface before creating a non-sticky surface film.

#### Cleaning:

Fresh, uncured silicone can be removed using organic solvents.

The cured material can be removed using the **CL 806** cleaning agent.

#### CAUTION:

- It is inadmissible to add additional binders, fillers, and other additives.
- Ensure good ventilation of the workplace.
- The sealant can be processed only under air and base temperature ranging from +5°C to +40°C! The work cannot be done if frost is expected.
- Silicone can not be used in areas without access of air, as this product needs air humidity to react.
- Tar and bitumen-containing surfaces are not suitable for sealing. In contact of the sealant with some organic elastomers, such as EPDM, APTK or neoprene, discolouration of the sealant may occur.
- When silicone is applied on surfaces treated with a primer coating, there is a risk of non-adhesion of subsequent coatings to surrounding bases. These surfaces must be thoroughly cleaned, and the test should be performed.
- This silicone is not suitable for the sealing of structural facades, or to connect the edges of insulating glasses. This product is also not suitable for the gluing of aquariums, and for use in the pharmaceutical and medical sectors.
- Leave the unused residues to air harden (dry) – they can be disposed of as wastes; contaminated containers should be disposed of in a controlled landfill (see the Safety Data Sheet).
- Only completely emptied and clean packaging may be handed over to recycling.

**FIRST AID:** In the event of health problems, or if in doubt, contact your doctor. If inhaled, leave the contaminated workplace, and act upon symptoms. In contact with skin, take off contaminated clothing, and rinse the skin with clean water and soap. Apply an appropriate cream to irritated places. After eye contact, rinse with clean water for at least 15 minutes, possibly with forcibly opened eye lids, then seek medical advice. If swallowed, drink a glass of water. Do not induce vomiting, call for medical help. If the symptoms of any affection (irritation) caused by contact with the product do not subside after providing first aid, seek medical advice.

#### SAFETY AND HYGIENE REGULATIONS:

Non-flammable

When working with this product, use protective gloves and follow good personal hygiene.

Wash your hands with warm water and soap after work, and treat with creams.

#### STORAGE:

The product should be stored in a dry place (+5 to +25°C) in its original container sealed against humidity. If the storage conditions are met, the shelf life will be 24 months. The expiration date is specified on the packaging. Protect against frost.

#### SHIPPING:

Plastic cartridge with a volume of 310 ml – 15 pieces in a paper box.

#### QUALITY:

- The product quality is regularly checked in the manufacturer's laboratories.
- The distributor applies a certified quality management system, according to ISO 9001.

**DISTRIBUTOR:** LASSELSBERGER, s.r.o., Adolova 2549/1, 320 00 Pilsen – Jižní Předměstí

**VALIDITY:** Since 1 January 2016

We reserve the right to make any changes that are the result of technical progress. This issue cancels and supersedes all previous issues.

LASSELSBERGER, s.r.o.  
Adolova 2549/1  
320 00 Plzeň - Jižní Předměstí  
Czech Republic

TEL +420 378 021 111  
FAX +420 378 021 119  
E-MAIL info@rako.cz  
WEB www.rako.cz

BANK DETAILS: Česká spořitelna, a.s.  
6221912/0800  
Company ID number 25238078  
Tax ID number CZ25238078

The company is registered in the Companies Register, administered by the Regional Court in Plzeň, Section C, File 22719