

HF screening specialists

For electrically conductive adhesives and seals

NEUSIL K181: 1-component, curing at room temperature
(Conductive particles: silver-plated glass: Ag / glass)

Processing instructions:

1. General:

NEUSIL™ K181 is an electroconductive silicone adhesive that cures sticky;

It conducts only under pressure, e.g. When a conductive seal is applied to the adhesive Housing groove.

Curing takes place at room temperature.

2. Special features:

NEUSIL™ K181 is electrically conductive and very well adherent on many substrates.

Also under strong mechanical stress such as vibration or vibrations

Changing pressure loads as well as temperature fluctuations

Electrical conductance stable.

3. Application:

NEUSIL™ K181 is used in the field of high frequency shielding as coating and Sealing material.

Electrically conductive bonding of:

HF seals - HF seals only at pressure

HF seals - housing (metal) only at pressure

HF seals - shielding window

4. Properties:

Very good electrical conductances, only under pressure.

Very good adhesion to most materials.

Quick and tacky curing.

NEUSIL™ K181 can be diluted with the diluent NEU-LÖS 12;

The thinner can be directly into the 50 g glass bottle.

Eg ratio: 50 g of adhesive + 5 to 10 g of thinner.

5. Curing:

The glue requires vulcanisation (curing) humidity.

The adhesive cures in the temperature range from 5 °C to 40 °C.

6. Cleaning agents:

For skin contact:

Remove uncured adhesive with wash-

Remove cured adhesive with pumice.

For further information refer to the Material Safety Data Sheet

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7. Physiological properties:

The direct contact of the hands with the conductive adhesive should be avoided.
The adhesive does not pose a risk after evaporation of the volatile constituents
For people and the environment.
For further information refer to the Material Safety Data Sheet.

8. Standard container:

NEUSIL TM K181

Glass bottles, 50 ml, 100 ml, 250 ml

NEU LÖS 12

Glass bottles, 10 ml

9. Storage time:

Bottle Date: + 12 months
Then check whether material can still be dosed.
Storage temperature: +10 °C to +28 °C.
Protect from moisture.
Protect from direct sunlight.

10. Processing instructions:

Unscrew the bottle cap and the NEUSIL K181 glue before use
(E.g. Stir thoroughly and mix with a knife or spatula.

To keep the material well mixed during the working process

The glue must be thoroughly stirred before each use or removal
Are mixed.

Here we recommend the use of a roller machine on which the bottle is permanent
is rotated.

With the enclosed dosing cartridge, the adhesive is now pulled out of the bottle,
The metering nozzles were set. The adhesive can then be applied to the metal substrate, e.g.
In the housing groove, Spotting or surface covering.
Dosing needles can be placed for smaller withdrawal quantities
(Needle diameter: 0.51 - 0.84 - 1.36 - 1.85 mm).

The metering (withdrawal) is effected by a dosing system via compressed air control
Or manually with pressure hand plungers (supplied on request).
The optimum processing is carried out at a room temperature of 22 ° C (+/- 4 ° C).
Ensure good ventilation during the operation, e.g. By exhaust systems!
For curing see point 6.

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