

RFI Shielding specialists

For electrically conductive adhesives and seals

**NEUSIL™ K80:** 2-component, curing at room temperature  
(Conductive particles: Nickel-plated : Ni)

## Processing instructions:

### 1. General:

**NEUSIL™ K80 is a very versatile adhesive for silicone compounds**

And silicone metal compounds.

### 2. Processing time:

The finished mixture is to be processed with the crosslinker NEU-NETZ 2 in 2-4 minutes.

### 3. Processing options:

Paint, dive, shed

Dosing with compressed air cartridges (10 ml, 30 ml)

Dose manually with disposable syringes (2 ml, 5 ml, 10 ml), see also point 12 Delivery containers

### 4. Addition of the crosslinker:

**NEUSIL™ K80** is supplied ready for use as A-component (adhesive) and B-component (crosslinker).

The silicone adhesive (A) is mixed from the original binders with the crosslinker (B).

Relationship:

10 g Adhesive: 4 drops NEW NET 2 (minimum)

10 g Adhesive: 6 drops NEW-NET 2 (Maximum)

Drops according to our dosing pipette.

### 5. Mixing:

The components are mixed in small amounts, according to the amount,

Which is described in o.g. Processing time.

Mixing is carried out using a knife or a small spatula.

### 6. Mixing with thinner:

**NEUSIL™ K80** can be diluted as desired with the thinner NEU-LÖS 12. Recommended is one Dilution only before processing. The crosslinker (B) can be used in this process

The mixture should be shaken well before and during processing.

A dilution of the mixture may only be carried out once, since otherwise a change in the mechanical Values is possible

### 7. Mixing plant:

We offer a roll mixing system specifically developed for all conductive NEUSIL™ adhesives.

### 8. Storage time:

Approx. 6 months in the original container unopened at room temperature.

**NEUSIL™**: registered trademark of the company NEUHAUS ELEKTRONIK

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### 9. Curing:

NEW-NET 2: 1 - 2 hours at room temperature (20 ° C)

### 10. Adhesion agent:

**N U R for a silicone-metal compound, the adhesion promoter NEU-PRIM 27 is needed.**

The adhesion promoter is applied to the cleaned metal substrate by means of a brush or Spraying machine. After five to 15 minutes of flash-off time, the next operation, that is, the application of the adhesive. Apply the adhesive agent only on a spot, otherwise insulation.

### 11. Delivery container:

50 g, 100 g, 250 g, 500 g, 1,000 g; Additionally crosslinker, thinner, adhesion promoter.  
Euro cartridges 310 ml

55 ml plastic cartridges

30 ml plastic cartridges

10 ml plastic cartridges

### 12. Safety Precautions:

The handling of this material is problem-free if the usual safety precautions get noticed. Do not breathe vapors, protect skin from contact, do not swallow, keep away from children.

### 13. Work process:

**A.** Prepare the workplace, position the parts to be glued or the gasket.

**B.** Before you remove a partial quantity from the container / bottle again

Shake well.

**C.** Use a dosing syringe or a disposable syringe to withdraw a desired quantity.

Then close the container immediately.

**D.** Machining your parts (gluing, embedding, shedding), about every 60 seconds

Move the syringe or turn it around briefly. The conductive particles, silver-plated copper particles,

Remain homogeneously distributed.

**E.** For further technical data see catalog page 12 and safety data sheets.

### 14. Application area:

RF seals electrically conductive,

Seal RF seals in housing groove in an electrically conductive manner (punctiform, flat)

HF seals in the housing groove in an electrically conductive manner, thereby electrically

connecting push edges electrically, Housing coating directly electrically conductive

coating / casting, Electrically conductive surface coating (shielding, contacting)

### 15. Storage time:

Cartridge Date: + 6 months

Then check whether material can still be dosed.

If it is no longer possible to dose it, please return it to us immediately.

The material can be reactivated.

Storage temperature: +10 ° C to +28 ° C.

Protect from moisture.

Protect from direct sunlight.