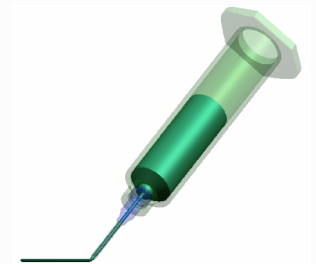


RFI shielding specialist
for conductive adhesives and gaskets

Silicone Adhesives - Conductive

2 - Component Adhesives

The following 2-component adhesives cure at room temperature. Their viscosity can be individually selected. The material properties for individual applications are listed in the table below.



NEUSIL Material Description

2 - component	NEUSIL	K80
elastomer binder		silicone
conductive particles		Nickel
density DIN 53479	g/cm ³	2,08
Shore-A hardness DIN 53505	+/- 6	63
volume resistance VDE 0303	Ohm cm	0,1
temperature range	°C	-55 /+200
elongation at break DIN 53504-S1	%	> 50
colour		black
shielding effectiveness dB:		
H-field 10 KHz		72
E-field 1 MHz		115
P-field 1 GHz		85
conductive adhesives:		
metal ¹ with metal		good
metal ¹ with RFI gasket		good
RFI gasket with RFI gasket		good
non-corrosive with metal		yes
viscosity upon delivery	21 °C	viscous
pot life	minutes	1 - 4
solvent: NEU-LÖS 12	Alcohol-Base	18 %
further thinned with NEU-LÖS 12	max. 10 %	yes
catalyst		2-c
curing 2-component	21 °C	yes
film formation at 0,2 mm strength	minutes	1 - 2
curing based on film strength and venting surface approx.	minutes	2 - 240
complete curing and high bond strength ²	hour	24
odourless curing		yes
resistance against	UV, ozone	yes
storage time	months	6

¹ after pre-treatment with NEU-PRIM 27 (primer), ² highest bond strength and best conductivity after one day