

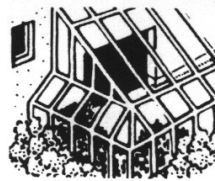
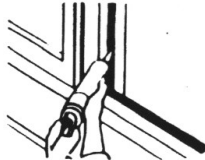
Technical Data Sheet

Silicone N-80

Neutral Curing Multipurpose Silicone Sealant.

Silicone N-80 is a neutral cure, high performance silicone sealant that has excellent adhesion on glass, treated wood, Pvc, aluminium and other construction products.

Silicone N-80 has a resistance to low and high temperatures (-50°C - +150°C)



Special colours are available on request
(Min 75 cartridges plus lead-time).

APPLICATION

SILICONE N-80 has an adhesive strength without primer on the majority of materials used in building and engineering industries such as glass, aluminium, steel, ABS, stainless steel, anodised steel etc. SILICONE N-80 is suitable for manufacturing rainwater tanks.

JOINT DIMENSIONS

Joint Width	Joint Depth	Tolerance
3-4 mm	4-5 mm	± 1 mm
6 mm	6 mm	± 1 mm
8 mm	6 mm	± 1 mm
10 mm	8 mm	± 2 mm
15 mm	10 mm	± 2 mm
20 mm	12 mm	± 2 mm
25 mm	15 mm	± 2 mm

APPLICATION TEMPERATURE

between +5°C and +40°C

SURFACES

All surfaces should be dry, clean and free from dust or grease. When necessary, degrease with MEK, Alcohol or ethanol. If necessary, use primer. It is recommended that adhesion tests be carried out to determine the suitability of the product for its application.

COLOURS

White, Grey, Black .

REPAIRS

SILICONE N-80 will adhere to itself.

PRIMERS

SILICONE N-80 has good adhesion to most common building materials without the use of a primer. (Testing is highly recommended.)

BACKER ROD

Where required use Adhefoam open cell backer rod. Closed cell backer rod is also suitable but care must be taken not to damage the outer skin of the rod as this can cause gassing (bubbles) in the sealant. When the depth of the joint does not allow for backer rod a bond breaker tape is required to prevent three-sided adhesion.

APPLICATION

Fill the prepared joint completely taking care not to entrap air (entrapped air may cause bubbles in the sealant). Dry tool immediately before the sealant skins. Tooling time is a minimum of 10 minutes depending on temperature and humidity.

CLEANING

Uncured:

- A) tools: white spirit or solvent.
- B) Surfaces : SILICONE Cleaner

Cured:

Mechanically .

LIMITATIONS

Do not use in closed rooms. Do not expose to thermal, mechanical or chemical influences before complete vulcanisation.

- on mirrors we recommend MIROSEAL.
- on polyacrylate and polycarbonate, structural glazing: see technical service department.

Cannot be painted:

SHELF LIFE

12 months if kept in the original packed and stored in cool and dry conditions.

PACKING

24 cartridges of 300 ml /box

METHOD OF APPLICATION

With a gun (manual or pneumatic). The shape of the joint is important. Avoid thin layers.

SAFETY

The application should take place in well-ventilated rooms, so that crosslinker vapours can escape. These crosslinker vapours may not be inhaled during long periods of time or in high concentrations. Avoid prolonged contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Avoid contact with food as long as the sealant is uncured.

Consult our safety data sheet.

PROPERTIES

Uncured

Type of sealant	Polysiloxanes	
Curing system	Moisture in the air	
Skin time (23°C & 50 % R.H.)	14 Min	19 Min
Specific Gravity(ISO 1183)	1.03	1.35
Cure rate(23°C & 50 % R.H.)	1-2 mm / 24 hrs	

Cured

Shore A hardness (/ISO 868)	17	20
Modulus at 100% (elong) N/mm ²	0.28	0.37
Elongation at break (ISO 8339)	300%	200%
Elastic recovery (/ISO 7389)	>90%	
Deformation capability	+30%	
Temperature resistance	-50°C to + 150°C	

Guarantee / Warranty:

We warrant our products to be free of defects and manufactured to rigid quality control specification. As it is impossible to control the use and application of the products, the company's liability is limited to replacing such quantities of product as are proven to be defective. The company disclaims any claims for repainting or other labour resulting from the use of the product. No responsibility is assumed for consequential damages arising from the use of the product. All other warranties including (merchantability or fitness for a particular purpose) are excluded. No representative of the company is authorised to grant any warranty or waive this limitation of liability. All claims concerning product defects must be made within twelve months of shipment. Absence of such claim in writing during this period will constitute a waiver of all such claims with respect to such product.

Adequate Tests: The information contained in this bulletin we believe is correct to the best of our knowledge and tests. The recommendation and suggestion contained herein are made without guarantee or representation as to the results. We recommend that adequate tests be made in your laboratory or plant to determine if this product meets all your requirements.