

## Technical Data Sheet

### SX Premium Building Silicone Neutral cure silicone



### Product Description

A premium grade low modulus neutral curing silicone. It has excellent adhesion to most common building materials. Has excellent resistance to UV, water and weather and is non corrosive towards metals.

### Benefits

- Neutral curing
- Almost odourless
- Perfect adhesion without primer on most substrates
- Excellent resistance to UV, water and weather
- Non corrosive towards metals

### Applications

For the sealing of construction and dilation joints in concrete and brickwork, connection joints, curtain wall constructions, glazing systems, kitchens, bathrooms, showers and industrial applications as well as perimeter pointing around most types of frames. Suitable for the bedding of double glazed units and cap beading subject to compatibility tests. Can also be used on swimming pools. It has excellent adhesion without a primer to seal assemblies of glass, glazed surfaces, aluminium and many other metals, unplasticised plastics such as polyester, rigid polystyrene, ABS, most UPVc and painted wood. Accommodates joint movement of + or - 25%.

### Directions Of Use

Cut the cartridge seal and screw on the nozzle which should be cut to the required size. Using a skeleton gun apply the sealant into the gap or joint ensuring a good solid fill making sure that no air is trapped behind. If required place masking tape along joint edges, removing within 5 minutes of application. In deep joints reduce the joint depth to 50% of the joint width using expanding foam or join backer rod.

### Additional information

100 % modulus	DIN 53504 S2	0,27 N/mm <sup>2</sup>
Application rate	@ Ø3 mm/6,3 bar	140 g/min
Application temperature		+5°C to +40°C
Base		Neutral oxime
Curing time	@ +23°C/50% RH	2 mm/24 hours
Density	ISO 1183-1	1,02 g/ml
Elongation at break	DIN 53504 S2	635%
Flow	ISO 7390	< 2 mm
Frost resistance during transportation		Up to -15°C
Joint movement		25%
Permeability	EN 1026	an= 0,018m <sup>3</sup> /h @ 600Pa
Permeability test		Up to 1050 Pa
Shorea hardness	DIN 53505	16
Skin formation	DBTM 16	7-8 minutes @ +23°C/50% RH
Temperature resistance		-40°C to +120°C
Tensile strength	DIN 53504 S2	1,10 N/mm <sup>2</sup>

*These are typical values*

### Limitations

- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates

Technical Data Sheet

SX Premium Building Silicone

Neutral cure silicone

- Discoloration can occur in dark places and by contact with chemicals

Surface Preparations and Finishing

Surfaces must be clean, dry and solid. Adhesion tests prior to application are recommended. Always tool using a spatula or stick wetted with neutral soapy water within 5 minutes of application.

Paintability

This product is not paintable.

Cleaning

Cured material can only be mechanically removed. Hands can be cleaned with SX Multi-Purpose Cleaning Wipes.  
Issue28/24.11.16/0075.14.DBB/DL

Colour(s)

- Black
- Bronze
- White
- Clear
- Anthracite

Packaging

- Cartridge



For product specifications, please refer to the Product Detail Page

Shelf Life

If kept stored in a cool, dry place, in unopened original packaging, between +5°C and +25°C, shelf life is up to 12 months from production date.

Certifications

	A+ French VOC Regulation
---	--------------------------

	ASTM C-920 EN 1026/EN1027 EN 15651-3: S XS1 DIN 18545-E
	ISEGA
	EN 15651-1: F-EXT-INT-CC 25LM EN 15651-2: G-CC 25LM

Health & Safety

Product Safety Data Sheet must be read and understood before use.  
These are available on request and via the Den Braven websites.

Warranty & Guarantee

Den Braven warrants that its product complies, within its shelf life, to its specification.

Disclaimer

All information in this document and in all our other publications (including electronic ones) is based on our current knowledge and experience and is the exclusive (intellectual) property of Den Braven. No part of this document may be copied, shown to third parties, reproduced, communicated to the public or used in any other way without Den Braven's written consent. The technical information in this document serves as an indication and is non-exhaustive. Den Braven is not liable for any damage, either direct or indirect, due to (editorial) errors, incompleteness and/or incorrectness of this document. This includes, but is not limited to, incompleteness and/or incorrectness due to technological changes or any research conducted between the date of publication of this document and the date on which the product is acquired. Den Braven reserves the right to amend the wording of this document. Den Braven cannot be held liable for any damage, either direct or indirect, due to the use of the product depicted in this document. The user must read and understand the information in this document and other documents relating to the products prior to the use the product. The user is responsible for performing all the requisite tests to make sure that the product is suitable for its intended use. We have no influence in what way the product is applied and/or any circumstances relating to events occurring during storage or transport and therefore we do not accept any liability for damage. All deliveries are made exclusively in accordance with our general terms of conditions which have been filed at the Dutch Chamber of Commerce.