

SILTECH 300 NX GREY HIGH TEMPERATURE TECHNICAL DATA SHEET

Rev.3 Date: 26/04/2023

SILTECH 300 NX High Temperature Oxime Silicone sealant is one part neutral curing, gunnable silicone sealant.

Properties	Unit	Value
Colour	Visual	Antracite Grey
Specific gravity	g/cm ³	1.16 ± 0,03
Hardness	Shore A	30 ± 5
Tensile strength	MPa	>0,7
Tack free time	Min	5 (23°C @ 50% humidity)
Cure Rate	Mm/day	2.3mm (approx. 18 hours) (25°C and 50% humidity)
Elongation at break	%	>200
Temperature resistance	°C	-50°C to + 300°C
Application temperature	°C	+5°C to + 40°C

PROPERTIES

SILTECH 300 NX, when cured is resistant to UV radiation, moisture, extreme temperature fluctuations, tensile and compressive stresses.

- Easy application
- Superior adhesion to a wide range of building materials including concrete and brickwork
- Long life reliability and low maintenance
- Flexibility with storage time and stock usage
- Can be applied in vertical and overhead joints.
- Suitable for continuous operation in the temperature range between -50°C to + 250°C (max.300max)

APPLICATION GUIDELINE

SILTECH 300 NX oxime silicone sealant is a high performance neutral cure silicone sealant designed to give superior adhesion and durability in a wide range of glazing, weather-sealing and trade applications. SILTECH 300 NX will bond to form a strong weatherproof seal on most common building materials such as: glass, ceramic, steel, aluminum, brick, concrete, most plastics, etc. To achieve good adhesion to the desired substrate, it is recommended that it is dry, clean, oil/grease and dust free. It is recommended to use a solvent such as MEK or Acetone to clean surfaces before application of the sealant. It is important to check the compatibility of the solvent with the area being cleaned. Detergent or soap and water treatments are not recommended. If there is any uncertainty regarding the application, adhesion tests should be carried out.

HANDELING SAFETY AND STORAGE

SILTECH 300 NX material safety data sheets are available on request. Uncured product may cause irritation to eyes, skin and respiratory system. Should there be contact with eyes, flush with water immediately and seek medical attention. Avoid oral contact. Use only in well-ventilated areas. SILTECH 300 NX should be stored out of the reach of children, as well as in a dry place, at or below 30°C. Shelf life is as per date on the product.

Values listed are indicative and should not be used as specifications

- Actual drying times depends on wind, humidity, temperature and film thickness
- High humidity or low temperature and heavy films extend drying times
- To determine if primer is required, sample should be tested
- Primer selection is dependent on substrate

PACKAGING

SILTECH 300 NX is available in 280ml cartridges.

LEGAL DISCLAIMER

Each user bears the full responsibility for making its own determination as to the suitability of supplier material, products, services, recommendations or advice for its own particular purposes. Each user must perform test to determine whether analysis is sufficient to assure its finished parts will be safe and suitable for use under end-use conditions. Because actual use of products by the user is beyond the control of supplier, such use is within the exclusive responsibility of the user, and supplier cannot be held responsible for any loss incurred through incorrect or faulty use of the products. Further, no statement contained herein concerning a possible or suggested use of any material product, service or design is intended or should be construed to grant any license under any patent of other intellectual property right of Supplier or any of its subsidiaries or affiliated companies, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.