



Sealants and Adhesives

600 NX NEUTRAL SILICONE

Technical Data Sheet

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Product Description

SILTECH 600 NX is a fast neutral cure, low modulus silicone sealant which cures with atmospheric moisture to form a highly elastic rubber seal providing excellent performance in glazing and construction applications. SILTECH 600 NX is unaffected by high or low temperatures and has outstanding weathering and UV resistance. It is recommended for use in building joints, glazing and weather seal applications.

Applications

Properties	Unit	Value	Testing Method
Test at 50±5% RH and temperature 23±2°C:			
Colours	Visual	White, Black, Grey, Bronze, Light Bronze and Charcoal.	
Hardness	Shore A	45	GB/T 531
Tack Free Time (25°C; 50% R.H)	min	15	GB/T 13477
Slumpability (vertical)	mm	< 3	GB/T 13477
Slumpability (horizontal)	mm	No change in shape	GB/T 13477
Extrusion Rate	g/5s	12	GB/T 13477
Elongation at Break	%	400	GB/T 13477
Tensile Strength	mPa	0.65	GB/T 13477
Modulus	mPa	0.65	GB/T 13477
Temperature Resistance	°C	-50°C to 280°C	/
Curing Time (25°C; 50% R.H)	mm/day	2.5	/
Surface Application Temperature	°C	+5 °C - 40 °C	/
Specific Gravity	g/ml	1.5 ±0.1	GB/T 13477
Movement Capability	%	20	GB/T 13477

*Values listed are indicative and should not be used as specifications, and have a tolerance of ±5%

Please Note

- 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

Limitations

SILTECH 600 NX is not recommended:

- For aquarium construction
- For use in food contact applications
- When painting of the cured sealant is desired
- For structural adhesion



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Applications

- Perimeter and Curtain wall jointing; Metal uPVC, Glass reinforced polyester, and asbestos cement cladding systems.
- Cap beading, standard and butt glazing.
- Perimeter sealing to treated wood, metal, uPVC and coated frames.
- General assembling and sealing applications.
- Sign manufacture/assembly.
- Cold room panel sealing.

Packaging

SILTECH 600 NX is available in a
280ml cartridges.
600ml sausages

Application Guideline

To achieve good adhesion to the desired substrate, it is recommended that it is dry, clean, 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. For better appearance it is particularly recommended to cover the outside of the joint areas with masking tape before application. Tool immediately after sealant application and remove masking tape before sealant skins.

Incompatibility of materials can lead to sealant discoloration and/or loss of adhesion. If there is any uncertainty regarding the application, adhesion tests should be carried out.

Precautions

- SILTECH 600 NX is an elastic material which is designed to resist certain movement and elasticity.
- Natural Stone: when sealing against natural stone such as marble and granite, Silicone and Technical products recommends that stain testing is performed prior to use to ascertain the visual acceptability of the sealant/stone combination.
- To avoid damages to the joint, non-corrosive and abrasive materials may be used and the joint should not be rubbed dry. Only neutral, slightly lubricating agents should be used.
- The joint should be kept clean and the room well-ventilated.
- This material requires atmospheric moisture to cure from paste to rubber and may not attain its listed final cured rubber properties when used in designs or applications where the silicone is encapsulated and without access to atmospheric moisture.
- When sealing to or over items such as rubberized gaskets, bituminous-based materials, butyl or oil-based products, oily woods, tapes, etc., Silicone and Technical Products recommends that compatibility testing be performed prior to use to confirm the suitability of the use of these materials when in contact with each other.

Handling Safety and Storage

SILTECH 600 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 600 NX should be stored in a cool dry place between +5°C and +25°C. Shelf life is 12 months if stored in original sealed container. Keep out of reach of children.

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 a test to determine whether analysis is sufficient to assure that the product 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 or 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.