

SabreSeal[™] NC60

SabreSeal NC60 is a high performance silicone designed for architectural grade glazing. It has been developed to exhibit high tensile strength, fast skin time, outstanding adhesion and long-term durability. SabreSeal NC60 is ideally suited to glazing, industrial and automotive sealing, where a high body sealant is desirable. It cures through exposure to atmospheric moisture, and has excellent UV performance.

Applications

SabreSeal NC60 is ideal in applications where fast skin time, high green strength, and minimal slump is critical, such as:

- Fin glazing
- Structural butt joints
- General glazing applications
- Frameless shower installations
- Sealing of laminated and reflective glass
- Installation of solar panels on most roofs
- Industrial applications where the item needs to be moved quickly in the production process

Features

- Movement capability $\pm$ 25%
- Very high bond strength
- Excellent long-term adhesion
- High body and no slump
- Excellent UV performance
- <5 minute skin time
- AS 4020 Potable water approved



Technical Data

PRODUCT INFORMATION	
Curing Method	Neutral (Oxime) 100%
Sag / Slump @23°C	3mm Max
Dynamic Joint Movement	+/- 25%
Shelf life	12 months below 28°C
Packaging	300ml cartridge
Hardness (ASTM D2240)	25 Shore A
APPLICATION DATA	
Skin time @ 20°C @50% RH	<5 minutes
Cure Time (10mm) @ 25°C & 50% RH	2.5mm/ 24hours
Application Temperature Range	From -50°C to +170°C
PERFORMANCE DATA	
Elongation	> 560%
Tensile Strength (MPa)	>2.0
Specific Gravity	1.03

Preparation

All surfaces must be clean, dry, and free from dust, oil, rust, grease or any other contamination. Metals should be cleaned with a non-mineral, non-oil based solvent such as Methylated Spirits or Isopropyl Alcohol. Apply solvent to a clean cloth, then use a dry clean cloth to remove excess solvent. For remedial work, remove the existing sealant as much as possible. Some powder coats are very heavily plasticised so it is recommended to scour the surface with a scouring pad to remove the shiny surface. In addition to correct surface cleaning procedures, an adhesion promoter can be used. Sabre Surface Activator is suitable for non-porous surfaces, such as aluminium, glass, most plastics. For porous surfaces such as concrete Sabre Primer PX can be used.

Application

An adhesion test is always recommended when bonding to a new substrate.

Cut nozzle at 45°C angles to desired thickness. Insert the cartridge into a caulking gun. Hold the caulking gun at a 45° angle with the nozzle in contact with both sides of the joint.

Apply by pushing the Silicone ahead of the nozzle, thus pushing it firmly into place and spreading the sealant against joint surfaces to ensure positive surface-face adhesion.

Colours

- Translucent

Limitations

Not recommended for:

- Structural glazing in aquarium construction
- Structurally glazed curtain wall systems
- Fully submerged joints
- Certain rubbers where bleeding of plasticiser may occur

Storage

12 months from the date of manufacture
if stored below 28°C.

SabreSeal_NC60_TDS_2405

IMPORTANT NOTICE

Sabre Adhesives Limited makes no warranties, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of application. Due to the fact that specific substrates, such as: plastics, polycarbonates, etc, may differ from manufacturer to manufacturer we recommend preliminary compatibility tests. Please remember that many factors can affect the use and performance in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a product. Given the variety of factors that can affect the use of our products some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

LIMITATION OF REMEDIES AND LIABILITY

If the product is proved to be defective, the sole remedy shall be to refund the purchase price or to repair or replace the defective product. Sabre shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including negligence, warranty, or strict liability.

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