



constructive solutions

NEW PRODUCT

NITOSEAL® SC100

High joint movement accommodation, silicone joint sealant for façade applications.

Nitoseal SC100 is a one part, gun applied, neutral cure silicone sealant which cures rapidly to form a durable, weathertight seal. Nitoseal SC100 has outstanding weathering performance and remains permanently flexible across a wide range of service temperatures, while ensuring no staining of porous building materials. Available in Concrete Grey and Black. Replaces Emer-Seal Construction Silicone.

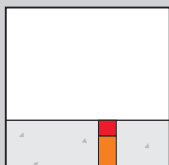
ADVANTAGES

- Long life weathering performance – will not discolour like many silicones and other sealants
- High joint movement accommodation – up to 80% (+50%/-30%) compared to Fosroc Nitoseal PU250 at 50%
- Easy application – long tooling time, 20 minutes at 25°C and RH of 65%
- Neutral cure – won't corrode metal during the curing process
- Wide service temperature range, -50°C to +150°C
- Excellent chemical resistance
- Will not stain or bleed in to porous construction materials such as concrete, marble or granite
- Will not cause crazing or cracking on polycarbonate sheeting
- Made in Australia



TYPICAL APPLICATIONS:

For sealing moving or static joints in façade applications, such as precast or in-situ concrete, curtain walls, lightweight cladding and tilt-up slabs. Suitable for use on most building materials including concrete, brick, blockwork, marble and granite.



Joint Fillers
& Sealants

For further information about our sealants range visit fosroc.com.au or fosroc.co.nz

Always refer to the product TDS before making your final selection or speak to your Fosroc representative.

NITOSEAL SC100

Properties

Technology:	Silicone
Form:	Non slump thixotropic paste
Movement accommodation factor	Plus 50% / minus 30% (80% total)
Typical hardness Shore 'A':	18 - 25
Physical or chemical change:	Chemical cure (non-acid)
Application temperature:	Minimum 5°C
Service temperature:	Minus 50°C - 150°C
Tooling time:	20 minutes minimum @ 25°C, 65% RH
Cure rate:	Approx. 3 mm for 1st day at 25°C, 65% R.H then 1 mm / day thereafter

Design criteria

Joint design: moving joints should be designed and suited to minimise stresses imposed on the joint sealant. All movement joints should be designed with an optimum width to depth ratio of 2:1 with the overriding requirement that the sealant depth must not be less than 8 mm on non-porous surfaces and not less than 12 mm on porous surfaces.

Bond breakers and joint fillers: in moving joints, the sealant must not be allowed to bond to the back face of the joint. Prevention of 3 sided adhesion is achieved by installing either a polyethylene bond breaker tape, or through the use a polyethylene foam backing rod.

Priming

Nitoseal SC100 has excellent adhesion to most building surfaces without the use of a primer, but for optimal results, particularly with moving joints, priming is always recommended.

Primer 10: Concrete, brick and most porous substances
Primer 13: Concrete surfaces subject to water immersion, fibreglass

For other surfaces, or where any doubt exists, test first or contact your Fosroc representative for advice.

Supply

Product code	Description	Size	Colour
FC920161-600ML	Nitoseal SC100	600ml	Concrete Grey
FC920160-600ML	Nitoseal SC100	600ml	Black

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fosroc.co.nz

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