



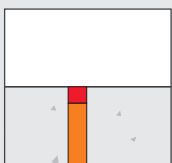
constructive solutions

SEALANTS RANGE

NITOSEAL® ■ THIOFLEX® ■ FLAMEX®

Fosroc's high performance range of sealants, have been developed by experts in joint design and sealant technology, for all civil and general construction project needs.

- ▶ Pouring grade sealants – designed exclusively for horizontal joints in floors and pavements
- ▶ Gun grade sealants – suitable for use in vertical and horizontal joints
- ▶ Fire rated, fuel resistant, chemical resistant and biodegradation resistant sealants
- ▶ Test certificates available from fosroc.com.au or fosroc.co.nz



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.

SEALANT TECHNOLOGY HAS MOVED ON. HAVE YOU?

NITOSEAL MS

Easy to gun out
Low stringing
Solvent free

Australian made, Fosroc Nitoseal MS silyl modified polymer, polyurethane hybrid sealants bring the best of polyurethanes and silicones together for a safer, better performing product.

Using state-of-the-art Duraflex technology, Nitoseal MS offers the weathering and adhesion performance of a silicone sealant, together with the toughness of a polyurethane sealant.

With no isocyanate and very low VOC, it's the future of sealants.

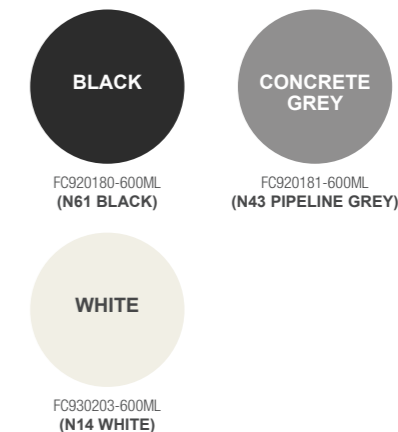


Colours

Standard colour range for Nitoseal MS250



Standard colour range for Nitoseal MS400



All colours are a grade 2 match to Australian Standard colours. Colours shown are as close as possible to actual colours. Please note due to limitations of the printing process printed images may not represent the true colour and we recommend always confirming your colour choice against a product sample for final colour approval.



NITOSEAL MS250

(replaces Duraflex)

UV resistant, non-trafficable, elastomeric joint sealant for facades and general construction joints.

Colours: a range of colours available

Typical applications: precast & insitu concrete, curtain walls, lightweight cladding, tilt-up slabs, brick & blockwork.

Advantages

- ✓ High UV & weather resistance
- ✓ Paintable
- ✓ Non-staining of paints or porous substrates
- ✓ No isocyanate
- ✓ Very low VOC, 12g/L
- ✓ Colours available

CUSTOM COLOURED SEALANTS? YES. WE CAN DO THAT.

NEW

Now you can get the right colour for your project with Fosroc's custom colour service for Nitoseal MS250 and Nitoseal MS400. Just provide us with a sample of the colour you need and we'll match it.*

*Colour matches are available for typical shades associated with facade and pavement requirements. Minimum order of 120 sausages, 3-4 week lead time applies from approval of colour samples.



NITOSEAL MS400

(replaces Duraflex FC)

UV resistant, trafficable, high strength, elastomeric joint sealant for trafficable and general construction joints.

Colours: Black, Concrete Grey & White

Typical applications: trafficable floor joints in pavements & footpaths, OEM assembly, brick, blockwork & paving.

Advantages

- ✓ High UV & weather resistance
- ✓ Paintable
- ✓ Non-staining of paints or porous substrates
- ✓ No isocyanate
- ✓ Very low VOC, 12g/L
- ✓ Colours available

Properties

	NITOSEAL MS250	NITOSEAL MS400
Shore A hardness:	34	42
Joint movement capability:	+/- 25% (50% total)	+/- 20% (40% total)
100% Modulus (ASTM D412):	0.75 MPa	1.15 MPa
Service temperature range:	-15°C to +70°C	-15°C to +70°C
Skinning Time:	65 minutes @ 23°C and 50% RH	50 minutes @ 23°C and 50% RH
Tooling Time:	35 minutes @ 23°C and 50% RH	25 minutes @ 23°C and 50% RH

NOT ALL SILICONES ARE THE SAME. SOME ARE BETTER.

NITOSEAL SC

All silicones are not created equal. Australian made, Fosroc's Nitoseal SC sealant range won't let you down with high performance, superior adhesion, no bubbling or blistering and non-staining technology.

For building facades, potable water storage, correctional facilities to roads and aggressive chemical environments and pools, Fosroc silicone sealants have you covered.



Application of Fosroc Nitoseal SC600.



NITOSEAL SC100

(replaces Emer-Seal Construction Silicone)

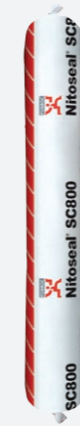
High joint movement accommodation, silicone joint sealant for façade applications.

Colours: Concrete Grey & Black

Typical applications: precast & insitu concrete, curtain walls, lightweight cladding, tilt-up slabs, brick, blockwork, marble & granite facades.

Advantages

- ✓ High movement accommodation
- ✓ Vertical applications
- ✓ Excellent UV and weather resistance
- ✓ Will not discolour
- ✓ Non-staining on porous substrates
- ✓ Fast curing



NITOSEAL SC800

(replaces Emer-Seal Roadseal)

Trafficable, low modulus, high joint movement accommodation, silicone rubber joint sealant.

Colour: Concrete Grey

Typical applications: concrete roads & pavements, bridge decks, carparks, aircraft runways & aprons.

Advantages

- ✓ Trafficable
- ✓ Fast curing
- ✓ High joint movement accommodation
- ✓ Excellent UV & weather resistance
- ✓ Prevents running water from undermining pavements
- ✓ Prevents stones from being deposited in joints
- ✓ Accepted for NSW RMS and QLD Main Roads use



NITOSEAL SC140

(replaces Emer-Seal Construction Silicone HM-FC)

Trafficable, fast curing, pick and abrasion resistant, silicone joint sealant.

Colour: Concrete Grey

Typical applications: trafficable floor joints including wide joints, assembly of metal framed buildings, cover plates and coverings, bolted lap joints, prisons, jails and grandstands.

Advantages

- ✓ Trafficable
- ✓ Fast curing
- ✓ Pick resistant
- ✓ Tough & abrasion resistant
- ✓ Excellent UV and weather resistance
- ✓ Non-staining on porous substrates



NITOSEAL SC820

(replaces Emer-Seal Roadseal SL)

Trafficable, very low modulus, high joint movement accommodation, self-smoothing, silicone joint sealant for sawn joints in concrete and asphalt pavements.

Colour: Charcoal Grey

Typical applications: asphalt roads & pavements, slot sealing of cable installations, abutment joints.

Advantages

- ✓ Trafficable
- ✓ Fast curing
- ✓ Very high joint movement accommodation
- ✓ Excellent adhesion to clean dry concrete and sawn asphalt
- ✓ Excellent UV & weather resistance



NITOSEAL SC600

(replaces Emer-Seal CR)

Highly chemical resistant, fast curing, durable, silicone joint sealant.

Colours: Concrete Grey, Pool Blue & White

Typical applications: chemical bund areas, chemical processing plants, swimming pools, food, wine and citrus processing areas, areas subject to acid spillage.

Advantages

- ✓ Trafficable
- ✓ Fast curing
- ✓ Excellent UV & weather resistance
- ✓ Highly resistant to biological attack
- ✓ Excellent chemical resistance
- ✓ Suitable for potable water, complies to AS4020
- ✓ Non-staining on porous substrates

Properties

	NITOSEAL SC100	NITOSEAL SC140	NITOSEAL SC600	NITOSEAL SC800	NITOSEAL SC820
Shore A hardness:	18 – 25	50 +/- 5	32 +/- 5	17 +/- 5	10 +/-2
Joint movement capability:	+50% / -30% (80% total)	+/- 25% (50% total)	+/- 25% butt joints (50% total)	+100% / -50%	+100% / -50%
100% Modulus (ASTM D412):	–	1.0 MPa	0.4 MPa	Low modulus	Low modulus

A SEALANT FOR EVERY JOB. WE'VE GOT YOUR NEEDS COVERED.

NITOSEAL PU

Nitoseal PU sealants form a waterproof and durable seal, ideal for exterior applications. Compared with other polyurethane sealants in the market, Nitoseal PU offers gunning up to three times faster, especially in colder climates, and produces much less stringing during application to help you make time savings on clean-up.



NITOSEAL PU250

(replaces Emer-Seal PU25)

Weather resistant, low stringing, polyurethane sealant for vertical interior and exterior applications, including potable water applications.

Colour: Concrete Grey

Typical applications: sealing joints in concrete panels, fibrous cement products, external cladding panels, blockwork and brickwork, sealing joints around aluminium and timber door and window frames.



NITOSEAL PU400

(replaces Emer-Seal PU40)

Trafficable, weather resistant, low stringing, polyurethane sealant for joints in trafficable and water immersed applications, including potable water applications.

Colour: Concrete Grey

Typical applications: trafficable floor joints, metal or concrete water retaining structures, joints in concrete culverts and pipes, metal frame building assembly, cover plates and covering, bolted lap joints and sealing pipe penetrations in walls and floors.

Properties	NITOSEAL PU250	NITOSEAL PU400
Shore A hardness:	25 +/- 5	40 +/- 5
Joint movement capability:	+/- 25% (50% total)	+/- 12.5% (25% total)
100% Modulus (ASTM D412):	0.20 to 0.30 MPa	0.30 to 0.40 MPa

Advantages

- ✓ Vertical applications
- ✓ Low stringing
- ✓ Low odour
- ✓ Weather resistant
- ✓ Easy to gun out
- ✓ Complies with AS4020:2018

Advantages

- ✓ Trafficable
- ✓ Low stringing
- ✓ Low odour
- ✓ Weather resistant
- ✓ Easy to gun out
- ✓ Complies with AS4020:2018

NITOSEAL MB175



Rubberised bitumen mastic joint sealant compatible with bitumen-based materials. Not suitable for trafficable surfaces.

Colour: Black

Typical applications: lap joints in gutters and drainage channels, joints in retaining walls, roofing and sealing terminations of bitumen based waterproofing membranes.

Properties	NITOSEAL MB175
Joint movement capability:	+/- 5% (total 10%) butt joints +/- 10% (total 20%) lap joints

Advantages

- ✓ Firm, flexible weather resistant seal
- ✓ Excellent slump resistance
- ✓ Suitable for permanent immersion in water
- ✓ Compatible with asphalt or bituminous surfaces

NITOSEAL PY350



Trafficable, two-component, hybrid polyurea, rapid cure joint sealant with very low movement accommodation and high shore A hardness, designed to resist heavy hard wheeled traffic.

Colour: Grey

Typical applications: very low movement construction or contraction joints in retail, warehousing, bunds and industrial applications.

Properties	NITOSEAL PU250
Shore A hardness:	80 +/-3
Joint movement capability:	+/- 5% (10% total)
100% Modulus (ASTM D412):	3.1 MPa

Advantages

- ✓ Trafficable
- ✓ High shore A hardness
- ✓ Very low movement – less than 5% of the joint width

FLAMEX

Fire rated sealants tested to AS1530.3 and AS1530.4.



FLAMEX ONE

Fire rated, acrylic joint sealant for vertical and horizontal low movement interior applications. Provides up to 4 hours fire resistance.

Colour: Concrete Grey

Typical applications: tilt-up construction, high and low rise buildings, precast & insitu concrete. Not suitable for use in water ponded or submerged applications.



FLAMEX XT

Fire and acoustic rated, UV resistant, polyurethane hybrid sealant. Provides up to 4 hours fire resistance.

Colour: Concrete Grey

Typical applications: fire & acoustic rated joints in building facades and general construction. Not suitable for permanent immersion or below water line use.

Advantages

- ✓ Up to 4 hours fire resistance – tested to AS1530.4
- ✓ Water based
- ✓ Paintable
- ✓ Interior applications
- ✓ Slump resistant for wide joints

Advantages

- ✓ Up to 4 hours fire resistance – tested to AS1530.3 & AS1530.4
- ✓ Acoustic rated up to 50Rw
- ✓ Excellent UV & weather resistance
- ✓ Paintable
- ✓ Very low VOC, 13g/L
- ✓ No isocyanate

Properties

	FLAMEX ONE	FLAMEX XT
Shore A hardness:	N/A	31
Joint movement capability:	+/- 10% (20% total)	+/- 20% (40% total)
100% Modulus (ASTM D412):	N/A	0.67 MPa

THIOFLEX

Polysulphide-based sealants with excellent fuel resistance.



THIOFLEX 600

Fuel resistant, fast curing, two-component, polysulphide sealant for vertical and horizontal applications. Available in gun grade and pouring grade.

Colour: Grey

Typical applications: building and civil engineering structures, including roads, floors, airfields, pavements and subways.

Advantages

- ✓ Trafficable
- ✓ Forms a tough, elastic, rubber-like seal
- ✓ Accommodates continuous and pronounced cyclic movement
- ✓ Excellent durability
- ✓ High movement accommodation

	THIOFLEX 600 POURING GRADE	THIOFLEX 600 GUN GRADE
Shore A hardness:	15 to 23	15 to 20
Joint movement capability:	+/- 25% (50% total)	+/- 30% (60% total)
100% Modulus (ASTM D412):	Low modulus	Low modulus

PRIMERS

Solvent based primers for porous surfaces not subject to permanent immersion or long-term dampness.

Two-component epoxy primer suitable for immersed conditions including potable water applications, complies with AS/NZS 4020.

Solvent based primer for non-porous surfaces such as metal joint surfaces.



Use with polysulfide sealants:

- Thioflex 600 Gun Grade & Pouring Grade



Use with silicone and silyl modified sealants:

- Nitoseal MS250
- Nitoseal MS400
- Nitoseal SC100
- Nitoseal SC140
- Nitoseal SC800
- Nitoseal SC820



Use with polyurethane sealants:

- Nitoseal PU250
- Nitoseal PU400



Use with:

- Nitoseal PU250
- Nitoseal PU400
- Nitoseal SC600
- Nitoseal PY350
- Thioflex 600



Use with:

- Thioflex 600 Gun Grade & Pouring Grade

Supply

Product code	Description	Size
Nitoseal MS		
FC920175-600ML	NITOSEAL MS250 BEIGE 600ML	600ml
FC920170-600ML	NITOSEAL MS250 BLACK 600ML	600ml
FC920176-600ML	NITOSEAL MS250 BRICK RED 600ML	600ml
FC920171-600ML	NITOSEAL MS250 CONCRETE GREY 600ML	600ml
FC920178-600ML	NITOSEAL MS250 DARK EARTH 600ML	600ml
FC920174-600ML	NITOSEAL MS250 DARK GREY 600ML	600ml
FC920172-600ML	NITOSEAL MS250 OFF WHITE 600ML	600ml
FC920169-600ML	NITOSEAL MS250 PALE BROWN 600ML	600ml
FC920177-600ML	NITOSEAL MS250 REDWOOD 600ML	600ml
FC920179-600ML	NITOSEAL MS250 SANDSTONE 600ML	600ml
FC930223-600ML	NITOSEAL MS250 SPECIAL COLOUR 600ML MTO	600ml
FC920173-600ML	NITOSEAL MS250 WHITE 600ML	600ml
FC920180-600ML	NITOSEAL MS400 BLACK 600ML	600ml
FC920181-600ML	NITOSEAL MS400 CONCRETE GREY 600ML	600ml
FC930203-600ML	NITOSEAL MS400 WHITE 600ML	600ml
FC930202-600ML	NITOSEAL MS400 SPECIAL COLOUR 600ML MTO	600ml
FC920181-200L	NITOSEAL MS400 CONCRETE GREY 200L MTO	200L
Nitoseal SC		
FC920160-600ML	NITOSEAL SC100 BLACK 600ML	600ml
FC920161-600ML	NITOSEAL SC100 CONC GREY 600ML	600ml
FC920150-600ML	NITOSEAL SC140 CONCRETE GREY 600ML	600ml
FC920100-600ML	NITOSEAL SC600 CONCRETE GREY 600ML	600ml
FC920101-600ML	NITOSEAL SC600 POOL BLUE 600ML	600ml
FC920102-600ML	NITOSEAL SC600 WHITE 600ML	600ml
FC920140-600ML	NITOSEAL SC820 CHARCOAL GREY 600ML	600ml
FC920140-200L	NITOSEAL SC820 CHARCOAL GREY 20L MTO	20L
FC920140-20L	NITOSEAL SC800 CONCRETE GREY 200L MTO	200L
FC920130-200L	NITOSEAL SC800 CONCRETE GREY 20L MTO	600ml
FC920130-600ML	NITOSEAL SC800 CONCRETE GREY 600ML	600ml

Product code	Description	Size
Nitoseal PU		
FC920112-600ML	NITOSEAL PU250 CONCRETE GREY 600ML	600ml
FC920121-600ML	NITOSEAL PU400 CONCRETE GREY 600ML	600ml
Nitoseal PY350		
FC920125-600ML	NITOSEAL PY350 600ML	600ml
FC920123-20KG	NITOSEAL PY350 PART A 20KG MTO	40kg pack
FC920124-20KG	NITOSEAL PY350 PART B 20KG MTO	40kg pack
FC920126-UNIT	NITOSEAL PY350 STATIC MIXER	N/A
Nitoseal MB175		
FC900222-600ML	NITOSEAL MB175 600ML	600ml
Flamex		
FC920025-600ML	FLAMEX ONE 600ML	600ml
FC920045-600ML	FLAMEX XT 600ML	600ml
Thioflex		
FC920400-3.7L	THIOFLEX 600 POURING GRADE BASE PART A GREY 3.7L	4L pack
FC920401-300ML	THIOFLEX 600 POURING GRADE GREY CURING COMPOUND PART B 300ML	4L pack
FC920416-14.8L	THIOFLEX 600 POURING GRADE BASE PART A 14.8L	16L pack
FC920401-300ML	THIOFLEX 600 POURING GRADE GREY CURING COMPOUND PART B 300ML (NOTE: 4 X 300ML REQUIRED FOR 16L PACK)	16L pack
FC920422-5.5L	THIOFLEX 600 GUN GRADE BASE PART A 5.5L	6L pack
FC920423-500ML	THIOFLEX 600 GUN GRADE CURING COMPOUND PART B 500ML	6L pack
Primers		
FC965207-250ML	PRIMER 4 250ML	250ml
FC965209-1L	PRIMER 7 1L	1L
FC965214-250ML	PRIMER 10 250ML	250ml
FC965229-125ML	PRIMER 13 BASE 125ML	250ml pack
FC965230-125ML	PRIMER 13 HARDENER 125ML	250ml pack
FC965229-500ML	PRIMER 13 BASE 500ML	1L pack
FC965230-500ML	PRIMER 13 HARDENER 500ML	1L pack
FC965228-250ML	PRIMER 21 250ML	250ml

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