

Fosroc® Polyurea SCS

Fosroc Polyurea SCS is a 100% solids, flexible, two component, rapid curing hybrid Polyurea.

Uses

Fosroc Polyurea SCS is thixotropic and applied by gun, especially suitable for seam seal of Fosroc Proofex Engage waterproofing system.

Description

Fosroc Polyurea SCS is a thixotropic version, designed as an excellent seam seal for the Fosroc Proofex Engage waterproofing system. Fosroc Polyurea SCS consist of the two components which are pumped through a static mixer gun to facilitate uniform mixing. The system offers excellent overall physical properties.

Fosroc Polyurea SCS is also supplied in a pre-packaged twin cartridge system.

Properties

Typical properties of bulk components at 25°C:

	Isocyanate Prepolymer (A)	Polyol Curative (B)
Specific gravity:	1.12 - 1.16	1.04 - 1.08
Viscosity (cps):	13,000 - 17,000	2,000 - 2,600
Appearance:	Brown liquid	Grey liquid

Typical properties at 23°C

Solids by volume:	100%
VOC content ASTM D2369-10:	6.1 - 6.6 g / litre
Tensile strength AS 1683.11:	> 11 MPa
Tear resistance AS 1683.12:	> 45 N/mm
Elongation AS 1683.11:	300%
Shore A ASTM D2240:	90 +/-3
Abrasion (1kg, CS17 wheels):	33.25 mg /1000 cycles

Clarification of property values

The typical physical properties given above are derived from controlled laboratory testing of Fosroc Polyurea SCS applied in accordance with the Fosroc Polyurea Method Statement. Results derived from testing field applied samples may vary dependent on several factors, including the type and condition of equipment utilised, working pressures, application temperatures and weather conditions, film thickness, age of sample tested.

Processing parameters for Polyurea SCS application

Recommended product temperature:	+5°C to +40°C
Gel time:	1 - 3 minutes
Serviceable:	10 - 20 minutes

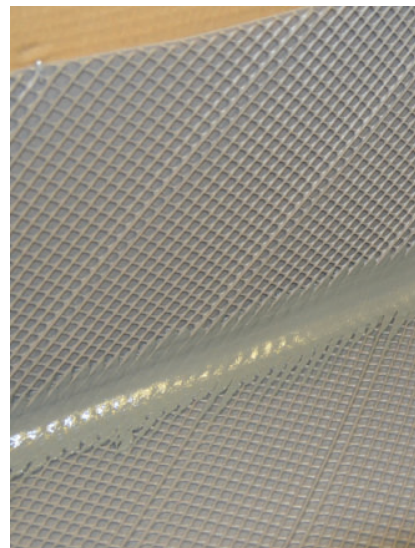
Application instructions

Bulk Application

Fosroc Polyurea SCS is applied using a pump to supply the 2 components in equal proportions by volume to the application gun fitted with large diameter static mixer, then tooled quickly as appropriate with a flat bladed scraper or small pieces of Proofex Engage.

Cartridge Application

Fosroc Polyurea SCS is applied using 600ml or 1.5 litre cartridges with the appropriate size of pneumatic gun or with a manual gun, fitted with large diameter static mixer nozzle, then tooled quickly as appropriate with a flat bladed scraper or small pieces of Proofex Engage.



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Limitations

Do not proceed with application if atmospheric relative humidity is >90% or if the surface temperature is <3°C above the dew point. Concrete relative humidity must be ≤75%. Do not proceed with application if the substrate temperature or the ambient temperature is, or is anticipated to be <+5°C during the application. For work in exposed areas, do not proceed with application if precipitation is imminent.

It should be noted that Fosroc Polyurea SCS is an aromatic polyurea; therefore, as with all aromatics, over a period of time significant colour change will occur if exposed to UV rays. This will not cause any negative effect on the physical properties of the product.

Supply

Fosroc Polyurea SCS Part A 22.8kg:	FC007083-22.8KG
Fosroc Polyurea SCS Part B 21.6kg:	FC007084-21.6KG
Fosroc Polyurea SCS 600ml dual cartridge:	FC007082-600ml
Manual application gun (600ml):	FC007087-unit
Static mixer nozzle (600ml):	FC007094-unit
Fosroc Polyurea SCS twin cartridge 1.5L (MTO): Min Order Qty 280	FC007082-1.5L
Fosroc Polyurea SCS 1.5L pneumatic gun (MTO):	FC007098-unit
Fosroc Polyurea SCS 1.5L static mixer nozzle (MTO):	FC007086-unit

Storage

Fosroc Polyurea SCS has a shelf life of 24 months if kept in a dry store between +5°C and +30°C in the original unopened containers. Any changes in colour have no negative effect on reactivity and physical properties of the product.

Important notice

A Safety Data Sheet (SDS) is available from the Fosroc website. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.