

# Fosroc® Polyurea WCS Gun Grade



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Fosroc Polyurea WCS is a cartridge packed, 100% solids, flexible, two component, rapid curing pure Polyurea.

## Uses

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

## Description

Fosroc Polyurea WCS Gun grade is a thixotropic version, designed as an excellent seam seal for the Fosroc Proofex Engage waterproofing system. Fosroc Polyurea WCS consist of the two components in a pre-packaged twin cartridge system. The system offers excellent overall physical properties.

## Properties

Typical Physical properties at 23°C

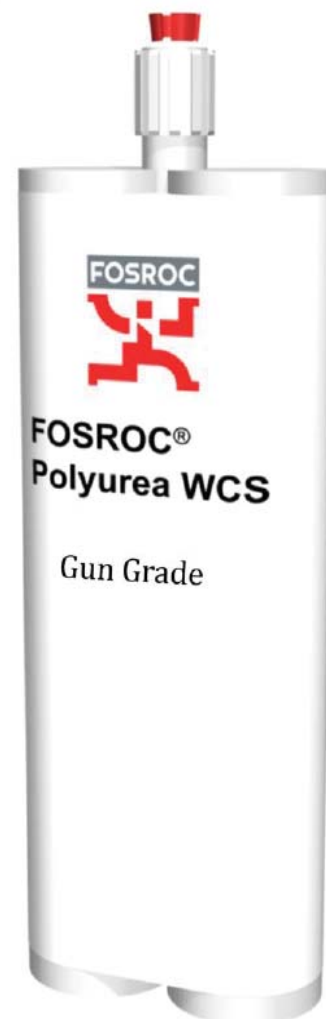
<b>Solids by volume:</b>	100%
<b>Density at 25°C:</b>	1.0 g/ml
<b>Tensile strength ASTM D412:</b>	> 9 MPa
<b>Tear resistance ASTM D624C:</b>	> 30 N/mm
<b>Elongation AST D412:</b>	> 600%
<b>Shore D ASTM D2240:</b>	40
<b>Impact resistance ASTM D2794:</b>	> 17 N.m
<b>Moisture vapour transmission rate ASTM E96:</b>	< 20 g/m <sup>2</sup> /day
<b>Abrasion (1kg, CS17 wheels) ASTM D4060:</b>	< 30 mg /1000 cycles
<b>Chemical Resistance ASTM D3912:</b>	Resistance to motor oil, brake fluid, dilute citric and hydrochloric acids, dilute sodium hydroxide. Discolouration may occur, wash down immediately to avoid effects. Contact Parchem for further advice.

## Clarification of property values

The typical physical properties given above are derived from controlled laboratory testing of Fosroc Polyurea WCS 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 WCS Gun Grade application

<b>Recommended product temperature:</b>	+5°C to +40°C
<b>Gel time:</b>	1 - 2 minutes
<b>Serviceable:</b>	10 - 20 minutes

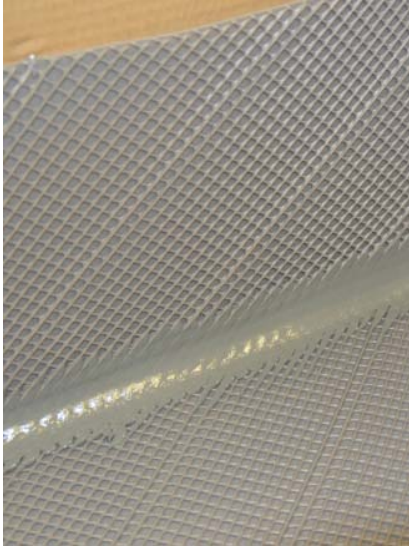


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## Application instructions

### Gun Grade Application

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



### Application Equipment

Gun application - gun grade product. Fosroc Polyurea WCS manual gun or Fosroc Polyurea WCS pneumatic gun with large diameter pour static mixer.



### Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. 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.



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## Supply

### Fosroc Polyurea WCS Gun Grade

<b>Product Code:</b>	FC007085-600ML
<b>Pack size:</b>	2 x 300ml Cartridge (600ml)
<b>Coverage:</b>	5 linear metres (600ml) (60mm wide x 2mm thick) 7.5 linear meters (600ml) (40mm wide x 2mm thick)

### Fosroc Polyurea WCS - Static Mixing Nozzles

<b>Product Code:</b>	FC007086-UNIT
Fosroc Polyurea WCS - Manual Gun	
<b>Product Code:</b>	FC007087-UNIT

## Storage Conditions

Fosroc Polyurea WCS has a shelf life of 12 months if kept in a dry, air conditioned 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 coating.

## 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 WCS 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.

## Precautions

### Health and safety

For further information refer to the appropriate Safety Data Sheets available.



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