



# Nitoseal 130\*

## Silicone joint sealant - acid cure

### Uses

For use internally or externally for sealing joints in ceramic tiling, sanitary ware, hygienic areas and in glazing applications. It can also be used for sealing joints in certain lightweight plastic and metal cladding.

### Advantages

- One component, ready to use, simple to apply
- Available in a range of colours
- Cures to form a very flexible, elastic seal
- Good slump resistance
- Excellent weathering characteristics
- Good chemical resistance

### Description

Nitoseal 130 is an acetoxycuring silicone rubber joint sealant that cures by exposure to atmospheric moisture. It is applied simply from the cartridge and can be finished neatly with appropriate tooling. When cured it forms a tough elastic seal which accommodates thermal, shrinkage or moisture movements.

### Design criteria

Joints should be designed so that movement due to shrinkage and thermal changes do not exceed the 25% Movement Accommodation Factor, related to joint width.

Where possible the sealant depth should be between 1/3 and 1/2 of the joint width. The sealant depth must never exceed joint width.

Joint Width (mm)	Sealant Depth (mm)
3 (min) - 5	as joint width
6 - 10	5
11 - 20	6 - 10
21 - 25 (max)	10 - 15

### Technical support

Fosroc offers a comprehensive technical support service to specifiers, end users and contractors. It is also able to offer on-site technical assistance, an AutoCAD facility and dedicated specification assistance in locations all over the world.

### Properties

<b>Specific gravity</b>	: 1.03
<b>Standard colours</b>	: Translucent, aluminium, grey, white, beige, bronze & black
<b>Movement accom. factor (BS 6093)</b>	: 25%
<b>Hardness shore 'A' (DIN 53505)</b>	: 16-22 (@23°C, 50% RH (after 4 weeks))
<b>Skimming time (@ 23°C, 50% RH)</b>	: 15 - 20 minutes
<b>Cure time (@ 23°C, 50% RH)</b>	: 24 hours to 2 mm depth
<b>Application temp.</b>	: 5°C to 50°C
<b>Service temp. range</b>	: -40°C to 120°C

### Instructions for use

#### Joint Preparation

Joint surfaces must be clean, dry and frost free. Remove all dust and laitance by grit blasting, grinding or rigorous wire brushing. Where necessary to achieve the correct joint profile, Expancell\*\* backing cord should be used. In joints not using Expancell, Nitoseal Debonding Tape should be placed in the base of the joint.

#### Priming

Nitoseal 130 exhibits excellent adhesion without primer to glass, tiles, ceramics, aluminium and anodised aluminium.

#### Application

Nitoseal 130 can be applied by hand or air operated caulking gun. Ensure that the sealant is pushed firmly in to the joint to give complete wetting of the surface. Any tooling of the sealant surface must be carried out immediately using a joint shaping tool soaked in detergent solution. If required the edges of the joint can be protected with masking tape - if this is done ensure that the tape is removed immediately after tooling.

#### Cleaning

Uncured sealant can be removed by wiping with rags soaked in Fosroc Solvent 102. Cured material can only be removed mechanically.

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## Limitations

Nitoseal 130 is not recommended for use in direct contact with masonry, concrete or other alkaline surfaces.

## Estimating

### Supply

**Nitoseal 130** : 280 ml cartridges  
(24 cartridges per carton)

### Guide to sealant quantities

Number of cartridges required =

Joint Width(mm) x Sealant Depth(mm) x Joint Length(m)  
280

A further amount should be allowed for wastage.

## Storage

### Shelf life

At least 9 months if stored in the original unopened containers in dry place below 25°C. Do not store in direct sunlight.

## Precautions

### Health and safety

Nitoseal 130 and Fosroc Solvent 102 should not come into contact with eyes and skin or be swallowed. The use of protective gloves is recommended. Avoid inhaling vapours as they may be offensive. Ensure adequate ventilation when using Fosroc Solvent 102.

Should accidental skin contact occur, remove immediately with a resin removing cream such as Kerocleanse Standard Grade Skin Cleanser or Rozaklens Industrial Skin Cleanser, followed by washing with soap and water. **Do not use solvent.**

In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.

If swallowed, seek medical attention immediately - **do not induce vomiting.**

### Fire

Nitoseal 130 does not readily support flame. Fosroc Solvent 102 is flammable. Store away from heat and sources of static charges. Do not smoke or use near naked flames. No smoking. In the event of fire, extinguish with CO<sub>2</sub> or foam. Do not use a waterjet.

### Flash points

**Fosroc Solvent 102** : 33°C

For further information, refer to the Product Material Safety Data Sheet.

\* Denotes the trademark of Fosroc International Limited

† See separate data sheet



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### Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service

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