

Conseal CS231

Low expansion sealing gasket for joints in pre-cast concrete

Uses

Conseal CS231 is used for sealing non-moving joints in pre-cast structures or between in-situ pours and existing concrete applications. It does not depend on moisture activation to work as its mechanical properties depend on the bond to each side of the joint and not the expansion of the product itself.

Conseal CS231 is compressible within the joint and will provide an immediate and effective seal. Its follow on controlled expansion increases the seal and will accommodate small joint movements.

Conseal CS231 is ideal as sealing strips for manholes, pipe penetrations and box culverts.

Advantages

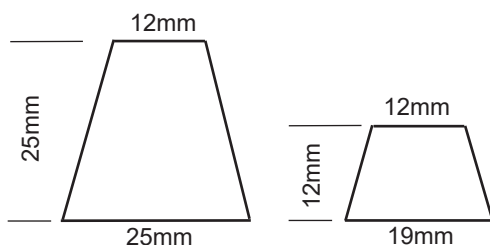
- No site welding - just butt and mould together
- Easy to handle - just prime the face of the concrete
- A moderate amount of surface irregularity can be accommodated

Description

Conseal CS231 is a low expansion butyl based hydrophilic sealing gasket manufactured utilising a special mixing process which encapsulates the hydrophilic materials into a butyl rubber base thus creating a controlled moisture activated seal.

Controlled expansion in the presence of water means that the Conseal CS231 will not soften to the point where it will extrude out of the joint compared to bentonite based highly expansive hydrophilic waterstops which must be fully contained within non-movement construction joints to be effective.

It is a highly elastic gasket with substantial elongation capabilities. The heat of hydration assists with chemical bond to green concrete.



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.

Properties

Form:	Pliable Mastic Strip
Colour:	Black
Expansion:	Maximum 10% with 28 Days exposure to water (No Material Disintegration)
Hydrostatic pressure:	Up to maximum 207Kpa or a 21m head (depending on configuration)
Penetration cone test:	40 ± 5
Service temperature:	Minus 34°C to 82°C

Installation Instructions

Carefully brush off all loose dust and dirt. Apply Fosroc Primer 24 to the area to which the Conseal CS231 is to be fixed. Allow the primer to become tacky (approx. 15 mins) then firmly press the Conseal CS231 onto it ensuring that the alignment is to the Engineers' specification.

Apply moderate hand pressure using the heel of the hand and check that the Conseal CS231 is bonded to the primed strip.

Remove the protective backing from the Conseal CS231 and knead together the overlapped ends at joints to form a continuous strip.

Prime the other matching surface, allow the primer to become tacky (approx. 15 mins), then bring the pre-cast sections firmly together into the correct position.

Supply

Conseal CS231 is supplied as trapezoidal profile strips in rolls.

Conseal CS231 25mm x 25mm x12mm x 5m roll:	FC702210-UNIT
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Conseal CS231 19mm x12mm x12mm X 7.5m roll:	FC702215-UNIT
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Fosroc Primer 24 4 litre:	FC020500-4L
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Fosroc Primer 24 20 litre:	FC020500-20L
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Storage

Conseal CS231 has a shelf life of 12 months in original packaging stored in cool, dry conditions i.e. not exceeding 25°C. Storage above this temperature may reduce storage life.

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