



# Fosroc® Proofex® S

(Previously known as Conwrap HD)

## Reinforced bituminous sealing tape for pre-cast concrete

### Uses

Proofex S is an externally applied tape of various widths, for sealing joints in pre-cast elements such as box culverts.

Proofex S is normally used in conjunction with internally placed Conseal CS231 sealing strip..

### Advantages

- Sticks and bonds rapidly and permanently to clean, dry surfaces
- Fast and simple application
- No special tools, heating or drying required
- Flexible, long lasting, self-sealing to minor substrate blemishes
- Can help prevent mould by sealing out moisture
- High puncture resistance and joint water pressure resistance
- Low water vapour transmission
- Withstands hot asphalt overlays on roadways and car parks

### Description

Proofex S is a woven polypropylene backing coated with a modified bituminous self-adhesive compound. Includes a release liner (interleaving), which is removed prior to use, for ease of application and handling.

### Properties

<b>Form:</b>	Self-adhesive laminated sheet
<b>Colour:</b>	Black
<b>Total thickness:</b>	1.65 mm (± 0.15)
<b>Mass:</b>	1.75 kg/m <sup>2</sup> (± 0.15)
<b>Water vapour resistance:</b>	0.07 g/m <sup>2</sup> h (ASTM E96)
<b>Permeance:</b>	1.61 x 10 <sup>-8</sup> g/Pa.m <sup>2</sup> .s (ASTM E96)
<b>Hydrostatic Pressure Resistance:</b>	≥ 655 kPa.h* (ASTM D5385)
<b>Breaking Strength:</b>	≥ 12.0 N/mm (ASTM D1000 / D412)
<b>Elongation at Break:</b>	> 20% (ASTM D1000)
<b>Elongation at Break:</b>	22 ± 3% (ASTM D412)
<b>Adhesion Peel Strength:</b>	4 N/mm (ASTM D1000, 24 h @ 23°C)
<b>Application temperature:</b>	15°C to 45°C

<b>Service temperature (continuous ambient):</b>	-10°C to +95°C
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<b>Peak Intermittent Temperature:</b>	100°C #
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\*Failure of testing jig occurred before failure of membrane.

# Polypropylene backing can withstand exposure to higher peak intermittent temperature in the application of asphalt paving.

### Installation Instructions

Typical for Joints in Concrete Culverts.

#### Surface preparation

To ensure adequate bonding of the Proofex S, the concrete surface must be free from dirt, water, grease and other loose material.

Rough concrete must be "faired up" before application begins. Holes and cracks should be filled or repaired using suitable repair materials. Fosroc can assist with selection of these material.

#### Priming

Priming the concrete surfaces to which the Proofex S is to be applied is recommended to ensure maximum adhesion. Fosroc Primer 24 is the recommended primer which can be used directly from the container with a brush.

Coverage width should exceed Proofex S width by 50mm either side.

Coverage rate of the primer on concrete is approx. 6m<sup>2</sup>/litre.

Allow primer to dry until touch dry – approx. 15 minutes @ 25°C.

Prime only the areas that will be covered with the Proofex S in a working day. Areas not covered within 24 hours must be reprimed.

#### Placement of the Proofex S strip

Remove release paper at the start of the roll.

Place the strip in position at the crack or joint and unroll removing the release paper at the same time.

Press the strip on to the concrete to form the shape of the surface and to remove any air pockets. All strips should be rolled firmly into place.

Overlaps should be a minimum 50mm.

#### Asphalt Overlay

The asphalt concrete overlay can be placed directly onto the Proofex S. A minimum of 50mm compacted overlay is recommended. The preferred asphalt concrete temperature in the paving machine hopper is 140°C to 165°C.

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## Protection before backfilling

Proofex S is not suitable for long term exposure to UV. The membrane should therefore be protected in some way within 3 months of application. When the membrane is to be backfilled such as with culvert applications, Proofex S should be protected from physical damage by using Proofex Protection Board PP, also available from Fosroc.

## Supply

Proofex S is supplied in 20m rolls:

<b>Proofex S100:</b> 100mm x 20m roll:	FC700370-UNIT
<b>Proofex S150:</b> 150mm x 20m roll	FC700371-UNIT
<b>Proofex S200:</b> 200mm x 20m roll	FC700372-UNIT
<b>Proofex S250:</b> 250mm x 20m roll	FC700373-UNIT
<b>Proofex S300:</b> 300mm x 20m roll	FC700374-UNIT

## Fosroc Primer 24:

Fosroc Primer 24	4 litre:	FC020500-4L
Fosroc Primer 24	20 litre:	FC020500-20L

## Coverage

**Fosroc Primer 24:**    Approx. 6 - 8m<sup>2</sup>/litre

Note: no allowance has been made for wastage.

## Storage

Store in dry conditions between 10°C and 30°C, away from sources of heat and naked flames. If stored at high temperatures the shelf life may be reduced.

## 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.