

# Expancell\*

Closed cell polyethylene joint sealant back-up cord

## Uses

Expancell is a closed cell polyethylene foam supplied in circular cord lengths for use as a back up material for joint sealing applications.

Expancell is available in a variety of sizes ranging from 6 - 50 mm in diameter suitable for the most commonly encountered joint dimensions.

## Advantages

- Economical
- Easy to install
- Readily compressible
- Rot proof and non - absorbent
- Provides bond breaker and minimum strain shape for joint sealants
- Provides a firm backing for sealant tooling

## Description

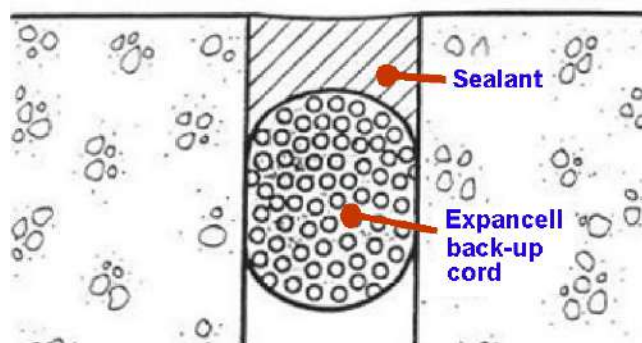
Expancell polyethylene foam back-up cords have the ability to perform several functions. They enable the correct width to depth ratio of the sealing slot to be maintained and provide a firm backing for the sealant to be tooled. This will precipitate wetting of the sides of the joint during the sealant application thus facilitating good adhesion.

The use of Expancell will also act as a bond breaker at the base of the joint thus preventing three sided adhesion and the accompanying additional stress during joint movement.

Non - absorbent and rot proof, the functional performance of Expancell is not impaired by climatic extremes.

## Design criteria

Typical sealed expansion joint detail showing the installed Expancell back-up cord.



## 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>Form</b>	: Compressible closed cell foam circular cords
<b>Durability</b>	: Excellent
<b>Dimensional stability</b>	: Excellent
<b>Water absorption</b>	: Negligible
<b>Colour</b>	: Grey
<b>Temperature stability</b>	: -40°C to + 60°C

## Instructions for use

Expancell cords are normally installed by push fitting into clean, dry, dust free joints.

If necessary a blunt tool can be used to assist in the insertion, however care must be exercised in avoiding damage to the skin of the Expancell.

The diameter of the cord should be approximately 20% to 25% greater than the width of the joint, this will ensure that the cord is tightly held in position therefore greatly assisting in maintaining the required depth to width ratio.

Additionally the aesthetic effect of the finished sealant will be enhanced when tooling/finishing from a firm base.

When installed, the circular section of the Expancell cord provides a convex face giving the optimum minimum strain shape for elastomeric sealants.

## Estimating

Expancell cords are available in pre-packed cartons. The lengths of each cord diameter contained per carton are identified as follows:

Cord diameter (mm)	Linear metres/carton
10	1000 <sup>(1)</sup>
15	600 <sup>(1)</sup>
20	400 <sup>(1)</sup>
25	400 <sup>(1)</sup>
30	2
40	2

**Note (1):** All Items are also available in 100 m packs.

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## Storage

Store under cover in a dry location away from heat sources.

## Precautions

### Health and safety

There is no health hazards associated with Expancell in normal use.

### Fire

Expancell is combustible and will catch fire if exposed to flame or other sources of ignition.

## The Right Chemistry for Construction

Fosroc is one of the world's major manufacturers of advanced technology chemical based products for the construction and refurbishment industries. It operates internationally through a network of operating companies, licensees, distributors and agents.

Having over 70 years experience and using global resources for research and technical development, Fosroc has built a substantial worldwide reputation in manufacturing the most comprehensive range of high performance construction chemicals:

- Concrete admixtures
- Surface treatments
- Grouts and anchors
- Concrete repair
- Industrial flooring
- Protective coatings
- Joint sealants
- Waterproofing
- Adhesives
- F.R.P Structural Strengthening
- Specific building products

\* Denotes the trademark of Fosroc International Ltd.



### 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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