



URS is a member of Registrar of Standards (Holdings) Ltd.



# SpECcord

## CLOSED CELL POLYETHYLENE BACK-UP CORD

### DESCRIPTION

**SpECcord** is a closed cell polyethylene foam supplied in cord form for use as a back-up material for joint sealants. It is available in diameters from 6mm to 50mm.

### TYPICAL USES

**SpECcord** is used as a sealant back-up rod in movement joints where cold applied sealants are used, such as joints in or between:

- Concrete, blockwork and brickwork.
- Concrete, GRC and GRP precast panels.
- Metal cladding panels.
- Aluminium and concrete or blockwork structures.
- Aluminium members (non-structural glazing).
- Floor and roof joints (cold applied sealants).
- Door and window frames.

### ADVANTAGES

- Economical
- Non-hazardous
- Easy to install
- Excellent absorption
- Good chemical resistance
- Acts as a bond breaker eliminating 3-way sealant adhesion
- Not impaired by climatic extremes
- Provides minimum strain shape for sealants

### RELEVANT STANDARD

**ASTM C1330, TYPE C**

### TECHNICAL DATA

<b>Density</b>	24.8 kg/m <sup>3</sup>
<b>Compression recovery</b>	96.99%
<b>Thermal conductivity</b>	0.0540 W/mK
<b>Water absorption</b>	0.01 g/cm <sup>3</sup>
<b>Tensile Strength</b>	0.204 N/mm <sup>2</sup>
<b>Compression</b>	0.021 N/mm <sup>2</sup>
<b>Temperature stability</b>	-10 °C to +80 °C
<b>Colour</b>	white/grey

### Resistant to

fungi, moulds, bacteria & mild chemicals

### APPLICATION

#### Size Selection

The diameter of the cord should be about 25% greater than the width of the joint so that the cord fits tightly in, providing a firm support for the sealant and ensuring correct sealant profile.

#### Installation

After selecting the correct size, push fit the cord into the sealing slot using a blunt tool. Do not use any sharp objects or tools that could puncture, cut and damage the cord.

#### Watch Points

- If a primer needs to be used, apply the primer first and wait for it to dry before installing the cord. Solvents in the primer will damage the cord.
- After installation ensure that sufficient depth is maintained for the sealant as recommended by the sealant manufacturer.
- Do not cut the cord into halves or parts, as this will affect its performance.

### APPLICATION TEMPERATURE RANGE

5 °C to 45 °C

### PACKAGING

**SpECcord** is supplied in bags as follows:

Diameter	Joint Width	Coil Length
6mm	4 - 5 mm	800m
10mm	7 - 8 mm	800m
15mm	10 - 12 mm	360m
20mm	15 mm	200m
25mm	20 mm	100m
30mm	25 mm	100m
40mm	30 mm	100m
50mm	40 mm	100m

---

### **STORAGE AND SHELF LIFE**

Store **SpECcord** indoors in cool and dry conditions. When stored as directed, shelf life of **SpECcord** is indefinite.

Dispose of all waste in accordance with the local environmental requirements.

### **HEALTH & SAFETY**

There are no health and safety hazards associated with normal usage of **SpECcord**.

Issue 7: 12/2018

**QA-054**

Whilst the information and/or specifications given are, to the best of our knowledge, true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents or distributors as the conditions of use and labour involved are beyond our control.

If it is proven that the product does not perform as described in our TDS, SpEC's liability extends solely to the free replacement of product, once the claim has been accepted after due investigation by SpEC. SpEC will not entertain any claims involving any form of consequential costs or damages such as shipping costs, custom duties, damages to third parties, damages to structures, penalties from delay of a project or any other form of consequential damage.

### **SPECIALITY ENGINEERING CHEMICALS**

PO Box 61347, Dubai, United Arab Emirates. Telephone: +971 4 883 6662, Fax: +971 4 883 7696

E-mail: [info@spec.ae](mailto:info@spec.ae); Skype ID: spec.sales

[www.spec.ae](http://www.spec.ae)

Distributed by: **EMIRATES SPECIALITIES CO., L.L.C.**

P.O. Box 3880, Dubai, United Arab Emirates.

Al-Quoz Distribution Centre.

Tel: +971 4 3470767, Fax: +971 4 3470765

E-mail: [dubai@esco.ae](mailto:dubai@esco.ae)

P.O. Box 46564, Abu Dhabi, United Arab Emirates.

Tel: +971 2 6784800, Fax: +971 2 6778366

Email: [abudhabi@esco.ae](mailto:abudhabi@esco.ae)

P.O. Box 6156, Sharjah, United Arab Emirates

Tel: +971 6 5420220, Fax: +971 6 5421211

E-mail: [sharjah@esco.ae](mailto:sharjah@esco.ae)

***"Printed on Recycled Paper"***