



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

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

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