



CONSOL BACK ROD

Closed Cell Polyethylene Filler

DESCRIPTION

CONSOL BACK ROD is chemically non-cross linked polyethylene foam with closed cells, expanded 15 or 40 times. It is a light and durable material with excellent shock absorbing and heat insulation properties. Water-repellent and highly resistant to weather-proof and chemical

RECOMMENDED FOR

CONSOL BACK ROD are used in joints in pre-cast and cast-in-situ concrete elements to give support to the joint sealant applications, aid in the correct joint sealant geometry (application depth and shape) and prevent the joint sealant from adhering to the top of the expansion joint filler board (3-way bonding), acting as a bond breaker.

CONSOL BACK ROD can be used for forming the base of vertical and horizontal joint the following applications:

BENEFITS

- No water absorption, closed cell
- Excellent water ability
- No bitumen content
- Acts as a bond breaker
- Easy to install
- Non toxic, odourless
- Lightweight
- Resistant to ultraviolet light and most chemicals
- Ability to compress and recover
- Suitable for submerged or trafficable joints

PRODUCT DATA

Base
Closed cell polyethylene foam

Color
White

Density
± 37 kg/m³

Size (mm)		Length/ Bundles
Diameter	Joint Size	
8	5 - 6	1000 m'
10	7 - 8	1000 m'
13	9 - 10	500 m'
15	11 - 13	500 m'
20	14 - 17	250 m'
25	18 - 22	200 m'
20	23 - 27	200 m'

APPLICATION INSTRUCTIONS

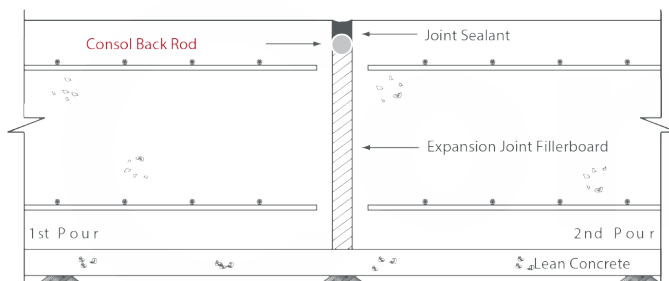
- Choose a diameter or square section which is approximately 20% to 25% bigger than the actual joint size so it can be compressed to fit inside the joint leaving a tight and firm fit. Apply the becker rod to your specified depth for the sealant application.
- When installing the Rod, it is essential to ensure that blunt instrument is used to avoid cutting or puncturing the surface.
- The rod must be positioned to achieve uniform and even, predetermined depth without any twist bumps or gaps.
- During installation avoid excessive longitudinal stretching of the rod.



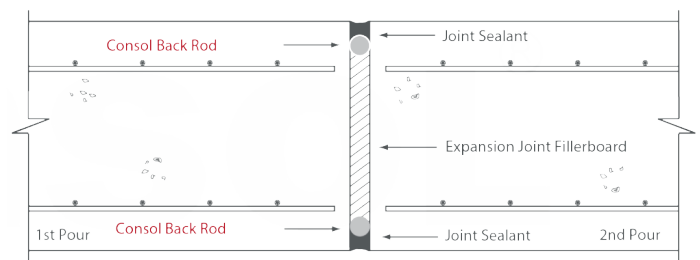
TECHNICAL DATA

Classification	Properties	Test Method	Consol Back Rod
Mechanical Properties	Density Compression Strength Dynamic stability rate Tensile strength	KSM 3803 ASTM D-1621 10 - 20	0,035 g/ cm 0,4 kg/ cm 98 % 2,8 kg/ cm
Thermal Properties	Specific heat Heat dislocation temperature Coefficient of linear expabsion Thermal conductivity	ASTM-C 351 BS-3837 ASTM D-696 KSM 3808	0,55 Kcal/ kg °C 80 C 17 x 10-5 C 0,271 ~ 0,035 Kcal/ m hr C (20 C)
Water Resistance	Water absortion	KSM 3808 ASTM E96-53T	< 0,03 Mg/ cm2 < 0,01 g/ m2 hr

Expansion joint in slab ground



Expansion joint in wall



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