

## JOINTFLEX® BACKER ROD

### CLOSED CELL POLYETHYLENE FILLER



### PRODUCT DESCRIPTION

**CORKJOINT Jointflex® Backer Rod** are manufactured from closed cell polyethylene, are non-absorbing, are U.V resistant and have excellent weatherability properties.



### ADVANTAGES

- Non-absorbent
- Excellent weatherability
- No bitumen contents
- Acts as a bond breaker
- Lightweight
- Resistant to ultraviolet light
- Ability to compress and recover
- Suitable for submerged or trafficable joints



### AREAS OF APPLICATION

**Jointflex® Backer Rod** are used in joints in pre-cast and cast-in-situ concrete elements to give support to the joint sealant application, 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.

*Note : The products design and performance, its intended use, installation and final confirmation and approval for use, must be provided by the project's Design Engineer and Project Manager.*



### AVAILABLE SIZES

**Jointflex® Backer Rod** are available in roll lengths for round shapes and available in lengths of 1 metre, 1.5 metre and 2 metre for square sections. Standard diameter sizes are 6mm up to 80mm. Section sizes are as follows: 10mm x 10mm, 15mm x 15mm, 20mm x 20mm and 25mm x 25mm. Custom diameter and section sizes can be easily manufactured to suit.



## PHYSICAL PROPERTIES

PROPERTY		METHOD	UNIT	RESULT
Elongation	longitudinal	ASTM D3575	%	50
Compression Strength		ASTM D3575	kg/cm <sup>2</sup>	0.56 8.0psi
Nominal Density		ASTM D3575	g/cm <sup>3</sup>	0.30 2.0psi
Tensile Strength	longitudinal	ASTM D3575	kg/cm <sup>2</sup>	3.2 45psi
Compression Set		ASTM D3575	%	5.0
Water Absorption		ASTM D1056	vol. %	<0.5
Tear Resistance	longitudinal	ASTM D624-73	kg/cm	2.7
Working Temperature Range		ASTM C447	°C	-73 to 95
		ASTM C447	°F	-100 to 203
Thermal Conductivity		ASTM C518	W/(m·K)	0.040
		ASTM C518	BTU/(hr·ft·°F)	0.28
Flammability		ASTM D1692-74		Various FR Grade Available

*Note: The above physical properties are test results from an in-house laboratory test report. Material properties can vary between batches of ± 10%. Project specific material properties can be custom produced to suit.*



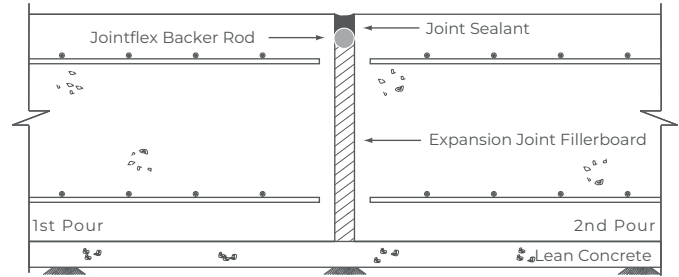
## CHOICE OF SECTION

WIDTH OF JOINT	DIAMETER
10mm	13mm
15mm	20mm
20mm	25mm
25mm	30mm
30mm	38mm

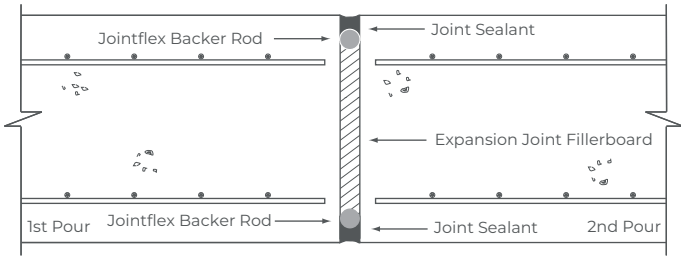
*Note: Other size diameters and sections are available.*



## TYPICAL APPLICATIONS



EXPANSION JOINT IN SLAB ON GROUND



EXPANSION JOINT IN WALL





## WRITTEN SPECIFICATION

Where shown in the drawings, the backer rod filler material shall be **Jointflex® Backer Rod** closed cell polyethylene filler material, with a minimum density of 25kg/m<sup>3</sup>, as supplied by **CORKJOINT**. The application / installation of the product must be in accordance with the manufacturer's recommendations.



## INSTALLATION PROCEDURES

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 backer rod to your specified depth for the sealant application.



## HEALTH AND SAFETY INFORMATION

For further information or advice on health and safety precautions, safe handling, storage and correct disposal of products, please refer to the most recent product Safety Data Sheet (SDS), which is available upon request.



## DISCLAIMER

The information and the recommendations relating to the application and end use of this product are given in good faith and are based on the information provided by the manufacturer of the product and/or the Company's current knowledge and experience in connection with the product when properly stored, handled and applied under normal conditions and no liability of final function at the job site is assumed. In practice, the differences in materials substrates and actual site conditions are such that no warranty in respect of merchantability of or fitness for particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written and/or oral recommendations, or from any other advice offered by the Company. The Company also has no express or implied knowledge of any particular purpose for which the product is required and any such information given will not be taken into account in the supply of this product. No responsibility or liability by the Company will be accepted for misuse, misreading or derivation from recommended guidelines in respect of this product and the user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith. The information contained in our brochure may change at any time without notice. Any use of this product; **Jointflex® Backer Rod** in any application should be approved as suitable for use/application by the Design Engineer and Project Manager.

Effective Date: 01 JUNE 2018

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