

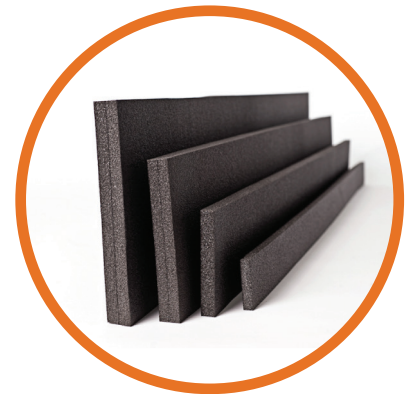
## JOINTFLEX®

### CLOSED CELL POLYETHYLENE FILLERBOARD



### PRODUCT DESCRIPTION

**CORKJOINT Jointflex®** is a closed cell, crossed linked, non-absorbent polyethylene expansion joint fillerboard for use in expansion and isolation joints in concrete and masonry structures. **Jointflex®** is non-absorbent and has excellent properties allowing it to be used in water retaining and excluding structures where potable, salt, chlorine and sewerage water is present.



### ADVANTAGES

- Non-absorbent
- Lightweight
- No bitumen contents
- Ability to compress and recover
- Non-extruding from joint movement
- Suitable for submerged or trafficable joints
- Durable



### AREAS OF APPLICATION

- Slab on ground
- Brickwork and blockwork
- Reinforced concrete structures
- Concrete roads and pavement
- Suspended slabs
- Basement and tunnels
- Water retaining / excluding structures
- Dams and reservoirs
- Bridges and viaducts
- Airport aprons and taxiways

*Note : The product's 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

- Standard sheet size 2m (L) x 1m (W)
- Density : 50kg/m<sup>3</sup> (low), 100kg/m<sup>3</sup> (medium) & 150kg/m<sup>3</sup> (high)
- In thicknesses of 10, 12, 15, 20 and 25mm. Sizes from 3mm-50mm are cut to order
- Custom sizes available to suit
- Available with a tear off cap for easy joint sealant installation



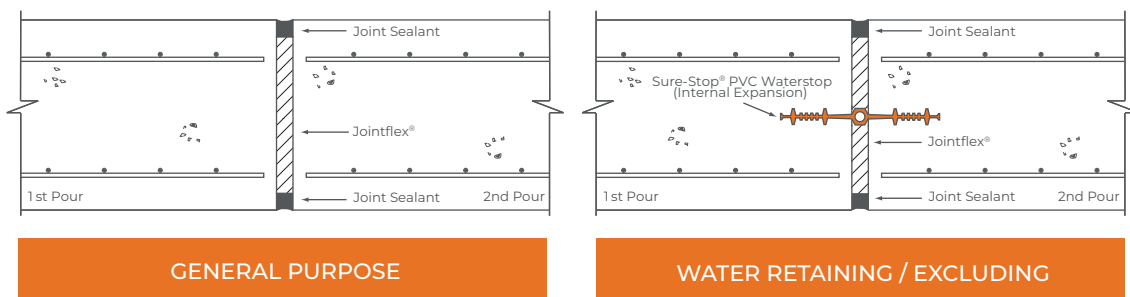
## PHYSICAL PROPERTIES - for 50kg/m<sup>3</sup> Density

PROPERTY		METHOD	UNIT	RESULT
Density		ISO 845	Kg/m <sup>3</sup>	50
Tensile Strength	longitudinal	ISO 1798	Mpa	0.44
	transversal			0.33
Elongation at break	longitudinal	ISO 1798	%	100
	transversal			125
Compression stress strain at deflection	10%	ISO 3386	KPa	34
	25%			59
	50%			125
Tear Strength	longitudinal	DIN 53507	N/mm	1.0
	transversal			1.1
<b>Operating Temperature Range:</b>				
Bending Test		DIN 51949	°C	- 40
Dimensional Stability		DIN 53431	°C	+ 100
Compression set (22h, 25%, 23°C)	0.5h	ISO 1856	%	< 14
	24h			< 6
Thermal Conductivity at	0°C	DIN 52612	W/mK	approx. 0.043
	23°C			approx. 0.047
	40°C			approx. 0.050
Water absorption after 28 days		DIN 53433	Vol %	< 3
Water vapour diffusion resistance		DIN 52615	1	> 3700
Water vapour transmission rate 10mm		DIN 52615	g/m2d	< 1.1
Water vapour permeability		DIN 52615	ng/Pa s m	< 0.078

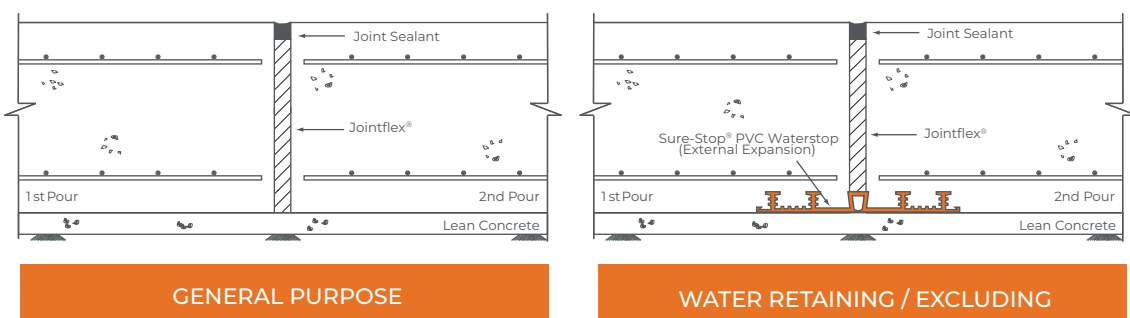
Note: The above physical properties are test results from an in-house laboratory test report. Material properties can vary between batches of  $\pm 10\%$ . Project specific material properties can be custom produced to order.



## TYPICAL APPLICATIONS



STANDARD DETAILS OF WALL APPLICATIONS



STANDARD DETAILS OF GROUND SLAB APPLICATIONS





## INSTALLATION PROCEDURES

**Jointflex®** is cut to size from sheets with a sharp retractable blade and adhered to the first concrete structure by a contact adhesive. Adhesive is applied directly to the **Jointflex®** in 50mm diameter 'spots' @ 300mm centers (approximately) or as required. Also refer to our installation method, available upon request.



## WRITTEN SPECIFICATION

Where shown in the drawings, the expansion joint fillerboard shall be **Jointflex®**, closed cell/cross-linked polyethylene fillerboard material, with a minimum density of 50kg/m<sup>3</sup>, as supplied by **CORKJOINT**. The application / installation of the product must be in accordance with the manufacturer's recommendations.



## 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®**, in any application should be approved as suitable for use/application by the Design Engineer and Project Manager.

Effective Date: 06 MAY 2019

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