

## BIYCELL JOINT FILLER

### DESCRIPTION:

Biycell Joint Filler is a closed cell cross linked polyethylene expansion joint foam & is grey in colour. It is light weight, has superior compression and recovery properties and impervious to most liquids.

Biycell Joint Filler is available in either plain or adhesive, and is available with a 10mm zip strip which is removed prior to placement of a sealant.

### USES:

Biycell Joint Filler is ideal as a bond breaker and gap filler in floor and wall joints, and as a filling system for bridges, motorways and roads. It is impervious to most liquids. Biycell can also be used as a lagging/isolation barrier on plumbing and sewerage pipes prior to placement of concrete.



Biycell Joint Filler Plain

### SIZES:

Handy Rolls: 50mm, 75mm & 100mm x 10mm thick x 6 metre Plain.

50mm, 75mm, 100mm, 150mm & 200mm x 10mm thick x 25 metre Plain & Adhesive.



Biycell Joint Filler Adhesive

### TECHNICAL DATA:

DESCRIPTION	UNIT	VALUE	METHOD
Density	Kg/m <sup>3</sup>	30	JIS K6767
Tensile Strength	kpa	270	JIS K6767
Elongation	%	125	JIS K6767
Compressive Hardness	kpa	30	JIS K6767
Tear Strength	N/cm	16	JIS K6767
Water Absorption	Gms/cm <sup>3</sup>	0.001	JIS K6767
Thermal Conductivity	W/mk	0.30	SATM518
Compression Set	%	10	JIS K6767
Maximum Working Temperature	°C	-60 +60	-

## BIYCELL JOINT FILLER - chemical resistance

MEDIUM	VISIBLE CHANGE	LENGTH	WIDTH	THICKNESS	ABSORPTION VOLUME %	RETENTION OF TENSILE STRENGTH %
Distilled Water	None	+0.2	-2.2	-3.7	1.7	-
Sulphuric Acid 30%	None	+0.2	+0.3	-0.5	0.4	96
Sulphuric Acid 3%	None	-0.4	0	-1.7	0.4	-
Nitric Acid 10%	None	-0.2	+2.5	-0.1	1.0	100
Hydrochloric Acid	None	+0.6	+0.5	-1.7	0.8	100
Acetic Acid 5%	None	+0.6	+1.0	-3.9	1.6	98
Oleic Acid	None	+1.2	+2.3	-4.4	4.3	-
Caustic Soda	None	+0.2	+0.8	-0.9	0.9	100
Caustic Soda Soln 1%	None	-0.2	+0.8	-1.5	0.4	-
Ammonia 10%	None	+1.2	-2.0	-1.5	1.8	-
Soda-Water 2%	None	+0.4	+1.0	-1.5	1.8	-
Sodium Cl Soln 10%	None	-0.6	-1.5	-1.1	0.8	99
Aqueous phenol Soln 5%	None	+0.4	+2.0	-2.3	1.9	97
Citric Acid Soln 5%	None	+0.4	+1.0	+2.0	1.3	
Hydroperoxide 3%	None	0	+1.3	+3.8	0.9	100
Ethanol 95%	None	0	0	-0.7	3.7	99
Ethanol 50%		0	-0.5	-3.2	2.2	-
Acetone	None	+0.4	+1.2	-3.0	5.5	100
Ethyl Acetate	None	+1.0	+1.7	+0.8	6.1	100
Ethylene Chloride	None	+2.0	+2.8	-8.0	3.4	100
Carbon Tetrachloride	None	+8.2	+7.7	+1.3	16.7	100
Toluene	None	+6.4	+7.3	+1.8	14.7	100
Heptane	None	+6.8	+7.3	-5.7	11.3	100