

Stiffjoint

Non-absorbent, semi-rigid, polyethylene joint filler

Uses

For use in forming expansion joints in concrete, brickwork and blockwork and in the construction of water retaining and water excluding structures.

- Brickwork
- Deck slabs
- Basement structures and subways
- Retaining walls
- Raw and potable water reservoirs
- Sewage treatment works
- Irrigation channels and culverts

Advantages

- Non-absorbent
- Rot proof
- Non-tainting
- Resilient
- Bitumen free
- Heat resistant in applications up to 80°C

Standards Compliance

Complies with Road and Traffic Authority of NSW specification T1204.

Description

Stiffjoint is a semi-rigid, UV resistant, cross-linked, non-absorbent, closed-cell polyethylene sheet material.

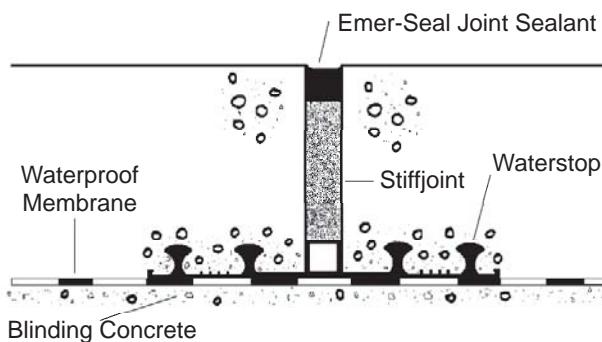
Stiffjoint is non-tainting and rot proof, therefore, suitable for use in conjunction with suitable joint sealants in structures for the storage of potable water.

Technical Support

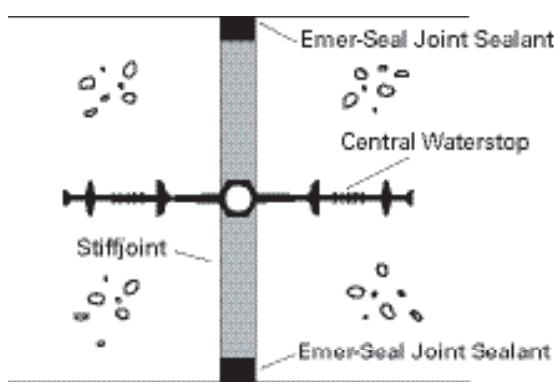
Parchem offers a technical support package to specifiers and contractors as well as on-site technical advice from staff experienced in the construction industry.

Design Criteria

Example of a sealed expansion joint



Typical detail of a wall expansion joint



Properties

Form:	Semi-rigid, closed-cell, polyethylene foam sheet
Density:	110kg ± 5 kg per m ³
Water absorption:	Less than 2% after 28 days
Compression strength 50% deflection MR610 / T1150:	420 Kpa
Recovery T1150:	>90%
Extrusion MR610 / T1150:	0.5 mm
Accelerated Weathering Test MR610 / T1150:	Excellent / no degradation
Resistance to bacteriological attack:	Excellent
Resistance to chemicals -	Immersion for 7 Days
Hydrochloric acid 10%:	No reaction
Caustic soda 10%:	No reaction
Acetone:	No reaction
Premium motor fuel:	No reaction, slight swelling
Diesel fuel:	No reaction, slight swelling

Stiffjoint

Application Instructions

Joint sealing slots

When forming expansion joints with Stiffjoint in in-situ concrete, Stiffjoint can be supplied pre-cut with a "zip top" to site requirements or joint sealing slots can be readily formed in the following manner. Before installing, simply cut off a strip to the required depth then pin the strip back onto the main filler using small nails. Then install the filler flush with the finished surface.

Prior to sealing, the top strip can then be pulled easily from the joint to provide an uncontaminated sealing slot ready for preparation and sealing. As elastomeric sealants will not bond to Stiffjoint the additional need for bond breaker strips to is eliminated.

Suspended Slabs

When installing Stiffjoint in expansion joints between suspended slabs, partly projecting copper nails or daubs of adhesive may be used to prevent displacement.

Estimating

Stiffjoint is supplied in the following sheet sizes and can be easily cut to the required size with a Stanley knife or saw:

Sheet size: 2.4 m long x 1 m wide

Sheet thickness: 7, 10, 12, 15, 20 mm (25, 30 and 40mm thickness made to order)

Also supplied in 2.4 m long, 10 mm thick strip sizes:

50 mm, 75 mm, 100 mm, 125 mm, 150 mm, 200 mm, 250 mm and 300 mm depths

10 mm thick footpath lengths:

75mm deep: 1.2 m, 1.4 m, 1.45 m and 1.5 m

100 mm deep: 1.4 m, 1.45 m and 1.5 m

125 mm deep: 1.4 m and 1.5 m

Profiles:

A range of profiles for kerb and gutters is also available.

Storage

Stiffjoint should be stored in a clean area and not left exposed for long periods, especially in hot climates.

Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

