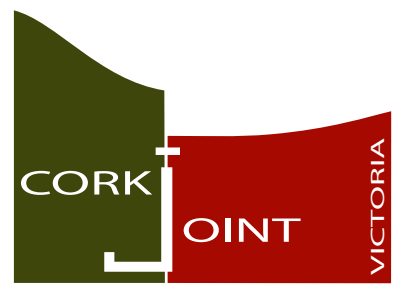


SELF EXPANDING CORK CONCRETE JOINT SEALING SYSTEM



The Force in Jointing Material Solutions

Self Expanding Cork "Type 3" ASTM Spec D1752-84 Type III

Self Expanding Cork "Spandex" Formally RASS106

> PROPERTIES

- Self Expanding Cork Type 3 and Spandex are manufactured from cork granules bonded together with water-soluble resins. The material is then compressed into blocks for later cutting into strips, sheets or special shapes as required.
- In the presence of water the SEC Types expand and totally fill the joints.
- Being a natural based product it will withstand a variety of environmental and climatic conditions.

> AREAS OF APPLICATION

- Pavements of any type from footpaths to airport runways and heavy duty parking areas.
- All water retaining and excluding structures
- Dam walls, docks, sewerage and water treatment works, sea walls and swimming pools.

> EXPANSION PROPERTIES

- Type 3 will expand approximately 20-30% and may require watering to assist expansion.
- Spandex will expand approximately 30-35% and usually exposure to weather and the effect of green concrete is all that is required. Expansion is across the joint with very little vertically.

> THICKNESSES AVAILABLE

- The Self Expanding Corks are available in standard thicknesses of 10mm, 12mm, 15mm, 20mm and 25mm but special thicknesses can be cut to suit a clients requirements.

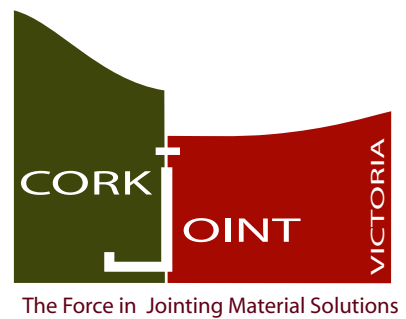
> JOINT DESIGN

- Select Corkboard.
- Expansion available is thus (E)
SEC type 3 say 20%
Spandex say 30%
- For a joint opening after curing of say 6mm.
- Joint width is thus $6 \times 100/E$
- Thus Type 3 = $6 \times 100/20=30\text{mm}$
 Spandex = $6 \times 100/30=20\text{mm}$

> STORAGE

- Cork must be stored in a dry and well aired place and left in our packaging until required for use. Any left over cork must be repackaged and stored as above for later use.

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> TECHNICAL DATA

	SEC Type 3	SPANDEX
Density	275 kg/M ³ approx.	335 kg/M ³ approx.
Compression Recovery	90%	90%
Expansion		
a)Boiling Water	Approx 40%	Approx 40%
b)Water @ 27°	Approx 20%	Approx 30%
Pressure to Compress 50%	Approx 350 kPa	
Extrusion above pavement	Negligible	
Weathering accelerated	7 days @75°C 10 freeze/thaw cycles-no disintegration	
Test Fuel immersion (48 hours)	No disintegration or loss of resilience.	
Boiling in HCL for 1 hour	No disintegration.	
Strong Alkali solution	Some colour leaching and structural degradation.	
Restrained Interface Pressure	40 kPa	60 kPa

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