

The Force in Jointing Material Solutions

SUPERSWELL 47B -

IN-SITU CONCRETE CONSTRUCTION JOINT SEAL

> PROPERTIES

- Superswell is a high expansion Butyl Bentonite based hydrophilic waterstop suitable for **non-movement construction joints where it is fully contained within the joint.**
- Its volumetric expansion (1.6 times) occurs in all directions and therefore containment is critical. When fully immersed in water, swelling commences within 2 days and reaches full expansion in approximately 10 days.

> AREAS OF APPLICATION

- Superswell is a low cost product perfect for sealing less critical In-situ joints.
- Superswell is recommended for use in non-movement joints eg construction joints in lift overrun pits, retaining walls and similar.

> ADVANTAGES

- No site welding - just butt and mould together.
- Easy to handle - just prime the face of the concrete and when tacky press the superswell onto the primer.
- Conforms easily to irregular surfaces.
- Does not require split-forming or splicing
- Superswell is non-toxic and requires no special handling instructions.

> SURFACE FINISH REQUIRED

- For the best results it is recommended that a relatively smooth surface be provided along the line of the Superswell strip however a moderate amount of irregularity can be accommodated.

■ **Important Note:**

Always ensure that there is a minimum of 50mm cover from the edge of the concrete to the face of the Superswell.

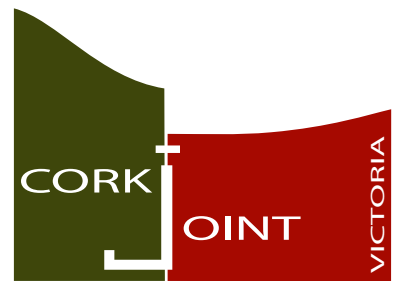
> INSTALLATION

- Carefully brush off all loose dust and dirt and apply a coat of our primer to the area where the superswell is to be placed.
- Using moderate hand pressure, using the heel of the hand, press a continuous bead of Superswell firmly into position. Check to be certain that the sealant has bonded to the primed area.
- Peel the protective backing from the exposed side of the Superswell. Knead the overlapped ends together to form a continuous, uninterrupted gasket.
- Prime, likewise, the other matching surface and when cured bring the pre-cast section firmly together in the correct position.

> STORAGE

- Superswell must be stored in a cool DRY place. Any unused material should be immediately returned to the original box and stored as above. In dry storage, shelf life is indefinite.

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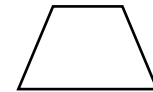
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> PROFILE SIZES

■ 25mm x 19mm, 5 Meter coils, 6 coils per carton.
Box weight: 22kg



12mm x 12mm x 19mm 7.5 Meter coils, 8 coils per carton.
Box Weight: 17kg



> TECHNICAL DATA

■ PHYSICAL PROPERTIES

| DESCRIPTION | SPEC | SUPERSWELL |
|-------------------------------|------------|-----------------|
| Color | | Black |
| Specific Gravity | ASTM D -71 | 1.40 ± 5 |
| Hydrocarbon Content | ASTM D -4 | 47% min |
| Volatile matter | ASTM D -6 | 1% max |
| Penetration Cone | ASTM D217 | 40 ±5 |
| @ 25 °C, 150gm, 5 sec | | |
| Application Temperature Range | | -22 °C to 52 °C |
| Service Temperature Range | | -34 °C to 82 °C |

Total Expansion approx 1.6 times by volume in 28 days exposure to water.
Recommended Max. Hydrostatic Pressure 344.5 kPa = 34M head.

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