

# Superswell 47B

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Superswell 47B Hydrophilic Butyl Waterstop Seal is a unique sealing compound which expands in a controlled fashion when exposed to moisture, forming a compression seal in concrete joints. Superswell 47B is ideal for use in horizontal and vertical construction joints for cast in-situ concrete structures.

Superswell 47B is manufactured utilising a specialised mixing process which encapsulates hydrophilic materials into a Butyl base creating a controlled, moisture-activated seal. The product has the structural integrity and the long term durability features of Butyl, as well as the ability to expand to create a SELF-HEALING JOINTWATERSTOP SEAL.

Unlike many of the traditional clay-based products, Superswell 47B being hydrophilic polymer based, will not expand to a point that the hydration process itself leads to the possible “disintegration” of the waterstop due to its expansion control system. This is an important issue when the engineers are looking for a seal in vertical construction joints where the joint can open due to excessive shrinkage in the concrete. In-field experience has proven that products which continually expand, may lose their structural integrity and begin to wash away from the joint when subject to a constant flow of water or from high water pressure.

Superswell 47B does not expand prematurely from the wet weather due to its unique expansion control system which also means it doesn't expand from the water in the fresh concrete when poured against it, which helps minimize any pre-expansion if the joint becomes ponded with water. Superswell 47B is very unique in that it can be installed by embedding it into wet concrete of the first pour as the concrete upon drying bonds very well to the Butyl Seal.

Superswell 47B has been tested to withstand a 60 metre (6.0 Bar) head of water pressure in potable and salt water conditions.

Due to its Butyl properties, it bonds to both concrete surfaces (1st and 2nd pour) creating a gasket seal first, when used in conjunction with CJ-100 Adhesive. The wet concrete from the 2nd pour bonds tenaciously to Superswell 47B.

Superswell 47B complies to NSF/ANSI Standard 61 Drinking Water System Components - Health Effects, ensuring Superswell 47B is safe for use in drinking water applications. Therefore, it is suitable to use in various potable water retaining structures like water tanks, swimming pools and reservoirs.

## **Size & Packaging**

Superswell 47B : 25mm x 19mm x 5m rolls ( 6 rolls per carton = 30 metres per carton )