

POLY CLAY WATER STOP

Cold Joint Expansion Live Sealing Water stop

Product Description

POLY CLAY WATER STOP is specially formulated multiple composite water stop which swell upon contact with fresh and salt water.

It combines the strength & toughness to replace conventional water stops and can be applied without split forming or splicing as required with conventional water stops.

Its self healing ability is formed upon reacting with the leaking water to form a tight pressure seal when placed in a confined condition within a concrete cold joint.

Typical Applications

It is applied in non moving concrete joints and between precast concrete structures of

- Manholes & Septic Tanks.
- Box culverts & water structures.
- Water & Waste water concrete pipes.
- Foundations, slabs & retaining walls.
- Underground parking garages.
- Concrete storage tanks & tunnels.
- Replacing conventional water stops.

Product Features

The expansion properties engineered into **POLY CLAY WATER STOP** :

- Reduce the internal pressures created from traditional clay based expanding water stop.
- Single component, easy to apply with high water proofing sealing ability.
- Self healing joint waterproofing system. Eliminates many problems encountered with conventional P.V.C.& Rubber Water Stop as :

- Difficulties in positioning the water stop.
- Water migration along the water stop surface.
- Splicing and split forming.

Standards

POLY CLAY WATER STOP is tested to the appropriate section of the following Standards:

- ASTM D-217
- ASTM D- 6
- ASTM D- 297
- ASTM D-71

NSF approved for contact with potable water.

Properties

Colour

Black

Specific Gravity

1.35 + 0.05 (ASTM D-71)

Hydrocarbon Content

47 % min. (ASTM D-297)

Volatile Matter

1 % Max. . (ASTM D-6)

Penetration Cone

At 77°F, 150 gm: 5 sec.

40 +- 5 (ASTM D-217)

Application Temperature

- 22°C to +52°C

Service Temperature

- 34°C to +34° C

Guide for Application POLY CLAY WATER STOP used in poured in place concrete structures:

- Carefully brush off all dust and debris and apply a coat of an appropriate **POLY CLAY WATER STOP** primer to the area where the **POLY CLAY WATER STOP** has to be placed on the standing structural member

- Using moderate hand pressure with the heel of the hand, press a continuous bead of **POLY CLAY WATER STOP** firmly into position on the standing structure. Check to be certain that the sealant has bonded to the primed area.

- Peel the protective backing from the exposed side of the **POLY CLAY WATER STOP**. Knead the overlapped ends together to form a continuous uninterrupted gasket - Pour the concrete structural into position.

NOTE: When installing

POLY CLAY WATER STOP on poured in place structures, always remember the following consideration:

- Place **POLY CLAY WATER STOP** so it is within the outer 5Cm. of any vertical or horizontal construction joint. This usually occurs on the inside edge of the rebar extension.

controlled laboratory conditions.

If a keyway is formed, place **POLY CLAY WATER STOP** into the formed keyway area.

- Always use appropriate **POLY CLAY WATER STOP** Primer Product to avoid displacement of the **POLY CLAY WATER STOP** during concrete pouring.

- It may be necessary to utilize masonry nails to hold the water stop in place on vertical surfaces.

When masonry nails are used, they should be placed approximately 30cm.apart..

POLY CLAY WATER STOP is available in one cross section sizes.

Cross Section	Rolls / Carton	Carton length
20 mm x 20 mm	5	30.48 m.

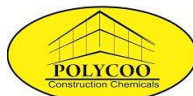
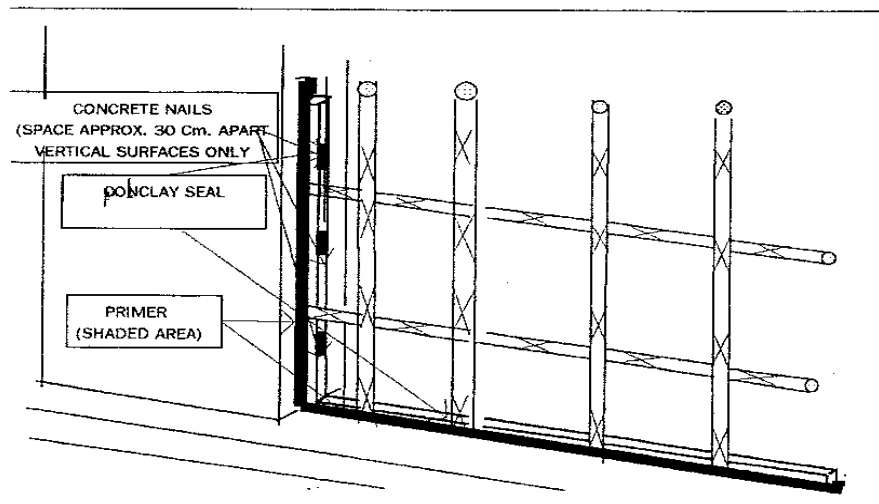
Technical Services

For any further technical advice and recommendation for the use of all **POLYCOO** products, please consult the nearest **POLYCOO** technical office.



Figure 1

On pourd in place concrete structures



Under technical collaboration with
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