

DR.FIXIT Bentonite Water Stop

Bentonite Base Hydrophilic Water Stop

Description

Dr. Fixit Bentonite Water stop is a bentonite based water stop designed to stop water infiltration through cast in place concrete construction joints by expanding upon contact with water to form a positive seal against the concrete. Dr. Fixit Bentonite Water stop provides superior expansion to seal and fill voids and cracks in the concrete. Can be withstands water head of up to 80 meters.

Dr. Fixit Bentonite Water stop is designed to be highly flexible, so that it can be compressed easily by concrete. It is registered safe for Potable water contact hence can be used in potable water tanks, suitable for application on Concrete Pipe, Manholes, & Precast Box Sections (good chemical resistant)

Area of Application

Concrete Floor Slabs in Large Structures, Water tanks, swimming pools and sump tanks, Water treatment plants and sewerage treatment plants, Basement and Underground structure, Construction Joint, Tunnels and Dams, Around puddle flanges and Pipe penetrations, Box culverts and concrete irrigation channels, Application on Concrete Pipe, Manholes, and Precast Box Sections.

Method of Application

1. Surface Preparation

- Surfaces should be clean and dry. Remove all dirt, rocks, rust or other construction debris.

2. Priming

- Primer is not required in general application.

3. Installations

- Do not install Dr. Fixit Bentonite Water Stop in standing water.
- Dr. Fixit Bentonite Water Stop require minimum 75 mm. of concrete coverage
- Remove release paper and then firmly press the entire length of Dr. Fixit Bentonite Water Stop on to the prepared surface.
- For vertical and overhead application, firmly press a minimum of 15 seconds to assure adhesion.
- Joint between Dr. Fixit Bentonite Water Stop Tightly butt coil ends together to form a continuous
- Water stop - Do not overlap coil ends. Place in maximum practical lengths to minimize coil end joints.
- In some case "Nail" can be use to fix Dr. Fixit Bentonite Water Stop in position.

Technical Data

Properties	Test result
Hydrostatic Pressure Resistance	120 psi (84m)
Specific Gravity 1.70-1.90 (ASTM D-71)	1.70-1.90 (ASTM D-71)
Wet /Dry Cycling	No effect
Service Temperatures -40 o C to /80 o C	-40 ° C to /80 ° C
Expansion Rate (Swell @24 hrs.)	150-200%
Color	Black
Volatile Matter	1% max
Adhesion to Dry Concrete	Excellent
Penetration Cone	48±5 (ASTM D-217)

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Precautions & Limitations

- Do not use Dr. Fixit Bentonite Waterstop in an expansion joint. Dr. Fixit Bentonite Waterstop is designed to be used only in NON MOVING CONSTRUCTION JOINTS.
- Do not stretch or pull the Dr. Fixit Bentonite Waterstop and make it longer than its existing length.
- If you do this, then the effectiveness of Dr. Fixit Bentonite Waterstop will reduce drastically and it will not be able to seal the joint properly.
- After laying Dr. Fixit Bentonite Waterstop, concreting is to be done as early as possible for maximum effectiveness. No dust or debris should fall on the water bar. Rain or curing water will start the special swelling process of Dr. Fixit Bentonite Waterstop. Hence concreting should be carried out as early as possible.
- Do not use as a primary joint waterstop for concentrate chemical containment vessels.
- Do not overlap coil ends.

Packing

- 20 mm. x 25 mm. x 5 m. / roll
- 20 mm. x 15 mm. x 6 m. / roll

Storage

- 12 month Store in a cool, dry location prior to use.

Health & Safety Precautions

- Non Flammable.
- Eye contact: Flush with warm water for 15 minutes. If irritation persists, contact physician.
- Skin contact: wash contaminated area with soap and water.
- Ingestion: DO NOT INDUCE VOMITING, Contact a physician.
- Hygienic Practices: Wash hands with soap and water after working with this material. Practice good personal hygiene.

Disclaimer

The product information and the recommendations relating to the application and end-use of Dr.Fixit products, are based on Dr.Fixit's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Dr.Fixit's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Dr.Fixit reserves the right to change the properties of its products without notice, so the company does not assume liability of any legal from this product information.



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