CJ-0725 hydrophilic waterstop for construction joints

DESCRIPTION

Hydrotite CJ-0725 is the industry leading hydrophilic waterstop. Comprised of non-bentonite synthetic chloroprene rubber, Hydrotite will repeatedly expand and contract under cyclical moisture conditions without causing deterioration and maintaining superior water sealing capacity. Due to its slim profile, excellent concrete consolidation can be expected around the waterstop, with little chance of the profile being moved out of position when concrete is placed.

ADVANTAGES

- Volumetric expansion of up to 8x original size when in contact with water
- Repeatedly expands and contracts with cyclical wet/dry conditions
- Co-extruded to create directional growth
- Slim profile can be used in most horizontal and vertical construction joints
- Reserve expansion capacity for future joint movement
- Durable: retains strength, size, and flexibility over time

APPLICATIONS

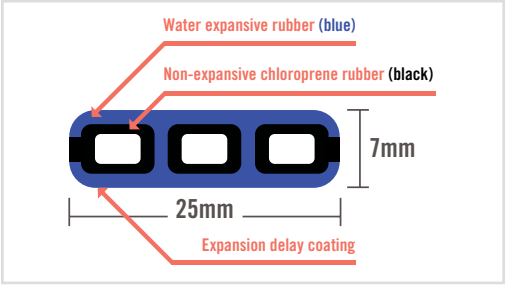
- Construction joints (up to 7 m water head)
- Large diameter pipe penetrations (6”-18”)
- Joint repairs (up to 7 mm width)

Hydrotite CJ-0725 is commonly installed as a waterstop between new and existing structures during facility expansion projects.

TYPICAL STRUCTURES THAT USE CJ-0725

- Waste water treatment plants
- Water resevoirs
- Utility chambers
- Transit tunnels
- Swimming pools
- Parking garages

TECHNICAL DATA



Property	Standard	Hydrotite (blue)	Chloroprenene (black)
SPECIFIC GRAVITY	ASTM D-792	1.32	1.41
HARDNESS, Shore A	ASTM D-2240	54	52
TENSILE STRENGTH	ASTM D-412	2.52 mPa	10.8 mPa
ELONGATION	ASTM D-638	670%	450%
TEAR RESISTANCE	ASTM D-624	1075 kg/m	2200 kg/m
		% of change	
VOLUMETRIC SWELL	Distilled water 20° C	849.5%	

Chemical Resistance

Hydrotite is intended for use in fresh water environments with small amounts of contaminants. Specific site testing is required in areas with concentrated chemicals, processing fluids and brines.

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To learn more about waterstops, visit us online at **hydrophilicwaterstops.ca** or call **1-800-663-6633**

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CO-EXTRUDED PROFILE

Hydrotite is the only hydrophilic product commercially available that features a variety of co-extruded profiles, which consist of blue Hydrotite and black chloroprene rubber. The black chloroprene rubber is not hydrophilic and does not expand following contact with water.

The primary feature of the co-extruded profile is to control the direction of expansion of Hydrotite across the joint, rather than along the path of least resistance. This ensures that higher contact surface pressures are achieved and improved water sealing results are maintained.

DELAY ACTION COATING

All Hydrotite CJ-0725 is supplied with a unique delay-action coating. This coating also allows concrete to develop initial strength before Hydrotite absorbs water and prevents any expansion taking place due to contact with fresh concrete. It is recommended that Hydrotite be scheduled for installation to minimize exposure to weather and when possible be protected from wet conditions.

Hydrotite will repeatedly expand and contract under cyclical moisture conditions without causing deterioration and will maintain superior water sealing capacity.

PRECAUTIONS & PACKAGING

Hydrotite should be stored in a cool, dark and dry place. If Hydrotite is installed in an expanded condition, the effectiveness of the seal may be severely reduced. Once installed, measures should be taken to prevent exposure to elements such as rainwater, ground water or snow.
Packaging: 10 Lm/roll, 6 rolls/box

RELATED PRODUCTS

- CJ-1020
- CJ-2020
- CJ-3030
- Leakmaster
- SS-0215

RELATED LITERATURE

- Installation Guidelines
- Hydrotite Properties
- Project Summaries
- Profile List
- SDS

CONTROLLED EXPANSION

Blue Hydrotite has the capability to swell up to 8 times its original size upon contact with water. The extent to which this capacity is used is limited by the Hydrotite profile, the availability of water and the space required to accommodate the expansion. This high expansion capacity provides a significant factor of safety for sealing construction joints.

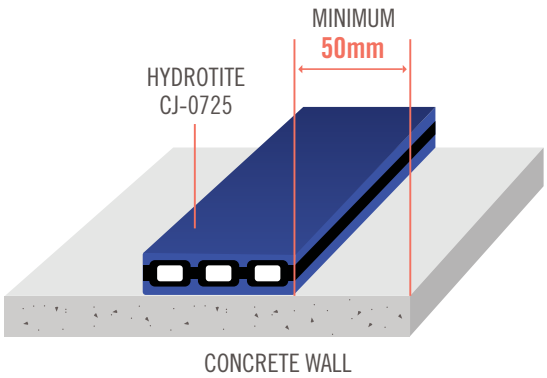
Due to design limitations, other hydrophilic sealing materials swell up to only twice their original size. This reduced expansion capacity, relative to Hydrotite, requires that large profiles be used, which are less effective when compared with the expansion capacity of Hydrotite.

Refer to Hydrotite Properties document for more details.

INSTALLATION GUIDELINES

Attach Hydrotite to smooth, even surfaces, free of dirt, oil or laitance for best results. Maintain a minimum of 50 mm concrete coverage over Hydrotite when using 25 mPa or greater compressive strength concrete. Increase the coverage to 100 mm on reduced strength concrete.

Refer to Installation Guidelines document for more details.



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