BCI BUILDING CHEMISTRY INDUSTRY

BC WATER PLUG

Product Description:-

is a fast setting, hydraulic cement product formulated to stop leaks in concrete and masonry surfaces. It is particularly effective for stopping the flow of running water. BC WATER PLUG is ready to use and requires only the addition of water before plugging and sealing leaks.

PRIMARY APPLICATIONS:

- Basement repairs
- Manhole repairs
- Concrete pipe repairs

FEATURES / BENEFITS:

- Plugs wet cracks in concrete and masonry surfaces to seal out water
- Stops running water, reducing damage
- Stops water seepage at floor and wall junctions
- Expands as it sets for water tight repair
- Will set under water

PACKAGING:

BC WATER PLUG is packaged in 10 kg bags.
Mix approximately 1.75 liter of water for each 10 kg bags

TECHNICAL INFORMATION:

Typical Engineering Data
The following results were developed under laboratory conditions.
Compressive Strength
ASTM C-109 50 mm Cubes

CLEAN-UP:

Clean tools and equipment with water before the material hardens.

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ISO QSCert 9001 OHSAS QSCert 18001 ISO QSCert 14001

DIRECTIONS FOR USE:

Surface Preparation - Concrete must be clean and rough. All oil, dirt, debris, paint and unsound concrete must be removed. The surface must be prepared mechanically using a scabbler, bush hammer, shot blast or scarifier which will give a surface profile of a minimum 3.2 mm and expose the large aggregate of the concrete. The final step in cleaning should be the complete removal of all residue with a vacuum cleaner or pressure washing.

Bonding - BC WATER PLUG requires no special bonding procedures, just a clean sound surface. Mixing - The material should be mixed by hand or with a drill and "jiffy" mixer. All materials should be in the proper temperature range 16°C-32°C. Add the appropriate amount of water for the batch size and then add the dry product. Mix for about one minute. The mixed product should be placed immediately. Placement - Widen out and clean cracks to at least

10 mm in width and depth. Force the BC WATER PLUG plug into the prepared crack with a pointing trowel and slick off the surface. If more time is desired for application, mix the BC WATER PLUG with ice water.

Running Water - Prepare all cracks properly and, if possible, relieve excess hydrostatic pressure by drilling a relief hole or by chiseling out the crack at its very lowest point. Mix an adequate quantity of BC WATER PLUG. After mixing, immediately place the plug of BC WATER PLUG in your hand and hold it until it suddenly begins to get warm. This will take 2-4 minutes from the start of mixing. At this point, speed in working is essential. Force the BC WATER PLUG plug into the hole or crack which is to be sealed off. Start filling cracks or holes at the top. To close the final opening and seal off a stream of water, make sure the BC WATER PLUG plug is starting to warm up. At that moment force into the hole and exert pressure either with your hand or trowel for a full 5 minutes or longer to assure setting of the plug. In some cases where the water is extremely cool, it may be necessary to hold the plug in place for a little longer.

Cement Plaster - When treating seeping walls, remove all foreign materials such as white wash, loose particles of concrete or block, oils or paint. Add an equal quantity of standard portland cement and fine masonry sand to BC WATER PLUG. Use cool mixing water to make a slurry of the cement, sand and BC WATER PLUG. Apply the heavy slurry to the seeping wall where it will set up and stop water seepage in 10 minutes time.

Bolt and Hand Rail Anchoring - Use a star drill to make a hole approximately 38 mm larger than the anchor. Mix enough BC WATER PLUG to fill the area and pour and tamp it into place around the anchor.

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