

Fast Setting Non-shrinkage Hydraulic Water Plug

DESCRIPTION:

BAYREP CPM® is a fast setting Hydraulic cement product, formulated to stop the leaks in the concrete and masonry surfaces

Uses:

BAYREP CPM® is suitable for fixing:

- Basement repairs
- Manhole repairs
- Concrete pipe repairs

Advantages:

- Plug wet cracks in concrete and masonry surfaces to seal out the water
- Stops running water
- Expands as it sets the water tight repair
- Will set under water

MATERIAL DATA

Type: Hydraulic Cement

Form: Grey color

Packing: 4 Kg & 10Kg

Storage Conditions: 12 month in unopened packaging, between 5°C and 35°C.

Technical Data:

Property	Value	Test Method
Solid Content	100%	ASTM D 1353
Compressive strength @ 50mm cube	1hour..... 8N/mm ²	ASTM C 109
	1day.....17N/mm ²	
	7days28N/mm ²	
	28days..... 32N/mm ²	

Protection Measures

BAYREP CPM® is cement based and there is risk of cauterization in the event of contact with the eyes; will lead to dehydration and thereof irritation in case of contact with skin. So while mixing and applying the product, protect with safety goggles and protective gloves

- Splashes to skin must be washed off with water and Soap
- Splashes to the eyes must be rinsed with clean warm water. Seeking medical attention is highly recommended and mandatory

Surface Preparation:

Concrete must be clean and rough. All oil, dirt, paint and unsound concrete must be removed.

Bushhammer, shotblast or scarifier which will give a surface profile of a minimum 3.0mm and expose the large aggregate of the concrete.

The final step in cleaning should be the complete removal of all residues with vacuum cleaner or pressure water.

Bonding: **BAYREP CPM®** requires no special bonding procedures.

Mixing: the material should be mixed by hand or with a drill or 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. And place the paste immediately onto the desired surface.

Placement:

Widen out and clean cracks to at least 5.0 mm in width and depth. Force the **BAYREP CPM®** into the prepared crack with a pointing trowel and slick off the surface. If more time is desired for application, mix the **BAYREP CPM®** with cold 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 lowest point. Mix an adequate quantity of **BAYREP CPM®**. After mixing, immediately place the paste in your when it suddenly begins to warm. This will take 2-3 minute from the start of mixing. At this point speed in working is essential. Force the **BAYREP CPM®** 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 **BAYREP CPM®** is starting to warm up. At that moment force into the hole and exert pressure either with trowel or hand for a full 5 minutes or longer, to assure setting of the plug.

Cement Plaster:

When treating seeping walls, remove all foreign material 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 **BAYREP CPM®**. Use cool mixing water to make a slurry of the cement, sand and **BAYREP CPM®** apply the heavy slurry to the seeping wall where it will set up and stop the water seepage in 10 minutes time.

Bolt and hand rail anchoring, use a star drill to make a hole approximately 35mm larger than the anchor. Mix enough **BAYREP CPM®** to fill the area and pour and tamp it into place around the anchor.