

BP-MoyaProof Plug

Rapid Setting Water-plug

Description

BP-MoyaProof Plug is a single component rapid setting temporary patching and plugging mortar. It is a chloride free, fast-setting cementitious mortar in prepacked powder form. When mixed with water it becomes a powerful, fast-setting permanent waterplug and is used for stopping of active water leakages.

Application Area

To stop pressure and seepage leaks through joints / cracks in concrete, rocks, culverts, basements, tunnels, dams, pools, subways, etc.

Advantages

- ✓ Single part, only mixed with water.
- ✓ Stops active water leakages by setting instantly.
- ✓ Easy to use.
- ✓ Expands and forms a watertight structure.
- ✓ Highly resistant and stable.
- ✓ Waterproofing materials can be applied on it after 3 minutes.
- ✓ Does not cause corrosion of steel equipments chloride free.
- ✓ Can be safely used in drinking water tanks.

Typical Properties

Property	Test Method	Value
Component		Single
Form		Powder
Colour		Grey
Fresh Wet Density	BSEN 12350-6	1.99kg/ltr +/- 0.05
Working Time		60-100 Seconds
Setting Time		120-180 Seconds
Compressive Strength	ASTM C109	2 hours 5 N/mm ² 28 days 27 N/mm ²
Drying Shrinkage	ASTM C157	< 500 microstrain at 28 days

Surface Preparation

Application surface must be strong, dry and cleaned off all kinds of oil, grease, rust, pitch, paint and curing materials, loose materials that can weaken adherence. Existing cracks and spaces must be cut in 20 mm width and with perpendicular sides.

Mixing

Setting time is dependent largely on the amount of mixing water used. Standard value is (at 20 °C): 1 kg **BP-MoyaProof Plug** and approx. 0.3 liter of water. The **BP-MoyaProof Plug** must be added to the water and mixed swiftly. Mixing time is about 15-20 seconds. After mixing setting in about 30 seconds. In cold weather, use lukewarm water. In higher temperatures, use cold water.

Application Guidelines

Open the crack that has active water leakage with minimum 20 mm width and depth or until reaching to the sound substrate. **BP-MoyaProof Plug** with necessary amount of water and make it conical shape in your hand and apply it on the leaking region with a single motion, when the mixture starts to heat. Apply pressure with your hand for at least 60 seconds by keeping your hand still. After the material hardens, slowly take your hand away. If the space is too large to be filled in one time, then repeat this procedure by going from the perimeter of the space to its center. Right after the application. To avoid wastage, only small quantities of **BP-MoyaProof Plug** should be mixed. Remove excess material.

Packaging

BP-MoyaProof Plug is packed in 4, 10 & 20kg moisture resistant pail.

Coverage

Depending on the size of the water leak and groove size.

Storage & Shelf-life

12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.

Limitations

At temperatures above 35°C, it is recommended that measures are taken to reduce material placing temperatures. These include, storing materials and equipments under cool shade and away from direct sunlight. Avoid installation during the hottest part of the day. Ensure that water temperature is kept below 20°C. Should not be used in unrestrained area.

Cleaning

Clean all equipments and tools with water immediately after use. Hardened material can be removed mechanically.

Health and Safety

This product contains cement powders which, when mixed with water or upon becoming damp, release alkalis that can be harmful to skin. During use, avoid inhalation of the dust and contact with the skin or eyes. Gloves, goggles and suitable mask must be worn. Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately. Regarded as non-hazardous for transportation. Do not reuse containers. To be disposed off as per local rules and regulations.

Quality & Care

Conpacmix (BD) Ltd acquired German technology for an updated production facility and set up a state of the art laboratory facility for conducting regular quality assessments on raw materials procured and



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finished products. Process from procurement of raw materials to finished products, are managed by

qualified and experienced engineers, chemists and technicians.

Note: Field service where provided does not constitute supervisory responsibility. Suggestions made by **Conpacmix (BD) Ltd.** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **Conpacmix (BD) Ltd.**, are responsible for carrying out procedures appropriate to a specific application.

Manufacture:

