

EPO PLUG

Fast Setting, Cement Based Plug Mortar



DESCRIPTION

EPO PLUG is a ready to use cement based, rapid setting plug mortar for plugging and stopping water leaking through the concrete.

CHARACTERISTIC

It is a blend of special cements, hydraulic cement and modifying agents to improve the bonding and waterproofing characteristics, easy to apply and economic. It can be easily processed. Immediately gains strength. It is non-corrosive. It has a high resistance against chemical effects.

PLACES OF USE

EPO PLUG is used to seal severe water leakages in basements, foundation structures, lift shaft, tunnel, marine structure, underground garages and storage rooms, internal and external concrete walls of tanks, Reservoirs and drainage system.

EPO PLUG is recommended for patching and sealing honeycombed concrete and water leaking concrete cracks.

ADVANTAGES

- Ready to use
- Rapid setting to stop the water intrusion
- Excellent bonding to concrete and masonry.
- Chloride free, does not corrode steel
- Use on vertical and horizontal application
- Can be applied either in dry form or as a mortar after mixing with sufficient amount of water.

PRODUCT DATA

Form	Powder
Color	Grey
Packing	5 Kg Plastic can
Mixing ratio (Water /Powder)	25 ± 2 % on Powder
Storage	Store in dry conditions away from any source of moisture
Shelf life	12months, indoor storing non-open packaging under controlled condition

TECHNICAL SPECIFICATION

Test Name	Standard	Average Result
Density	---	2.10 ± 0.10 Kg/Ltr
Setting Time (Initial set)	ASTM C 266	Approx. 60 -90 sec
Compressive Strength	ASTM C 109	> 7 N/mm ²
3 hrs		> 8 N/mm ²
1 day		> 18 N/mm ²
28 days		



APPLICATION PROCEDURE

SURFACE PREPARATION

Chip away soft, deteriorated, unsound substrate, clean cavity completely. Lightly dampen the substrate just prior to application if necessary.

MIXING

Mix with clean water to obtain desired consistency .do not over-mixes, do not over-wet and do not over tamper.

EPO GULF SPECIALITIES CO.

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APPLICATION

Can be applied wet and dry

Wet Application: Mix the product with recommended water ratio and apply on the leaking area.

Dry Application: Apply the dry powder with your hand directly on the leaking area and press until the material is hardened.

PRECAUTIONS

Cleaning tools: Clean all the tools and application equipment with clean water immediately after use. Hardened and cured material can only be removed mechanically.

Mixing Water: Ensure that the water used for mixing is at 25°C (approx.) or less in very hot climate.

Application Limits: Since the product sets very rapidly, small amounts of product and water should be mixed for application. The product should be used within one week after the packing is opened. Wear water protective gloves and glasses during application.

HEALTH AND SAFETY

The product is non-toxic but is mildly alkaline. Gloves should be worn during application. Splashes to the skin or eyes should be removed with clean water. In the event of prolonged irritation, seek medical advice.

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