

Cicoplug®

Rapid Set Water Plugging Mortar

DESCRIPTION

Cicoplug® is a rapid set dry powder material based on a blend of special cement, graded aggregates, fillers, and chemical additives that when mixed with water, sets in seconds. Cicoplug® is used as a temporary water plugging mortar; therefore, another repair mortar of the Cicorepair® range should be used after the initial drying of Cicoplug® to complete the permanent repair. Cicoplug® is applied by gloved hand just on the water jet source and kept pressed for a minute.

USES

- Full water tanks and reservoirs repair.
- Basements, foundations, and retaining walls.

ADVANTAGES

- Stops water leaks immediately.
- Can be used in small portions to fit the required volume.
- Safe to be used in contact with steel (contains no chloride).
- Easy to apply, just add water.
- Minimizes chemical attack over concrete.
- Economic.
- High bond to concrete.

PACKAGING

5 & 20 Kg pails.

SHELF LIFE & STORAGE

6 months storage life if stored in its original unopened containers under a dry and shaded place in a temperature from 5°C to 45°C.

TECHNICAL PROPERTIES

Form	Light Grey Powder
Density @ 25°C	
Initial setting time @ 25°C	45±5 sec.
Bond to concrete	>1.5 N/mm ²
Compressive strength @28 days (ASTM C109)	28±1 N/mm ²
Tensile Strength @28 days	
Flexural Strength @28 days	

APPLICATION INSTRUCTIONS

Surface Preparation

Leaking points should be cut back to a depth of 20mm in a U section cut and given a good mechanical key. Feather edges must not be allowed. The surface should be free of any fungus or mold growth. All leaking cracks should be cleaned well.

Mixing

Cicoplug® should be mixed with enough water to produce a formable consistency mortar. This can be achieved partially by mixing small amounts of Cicoplug® in a piece of PE sheet with approximately one third volume of water i.e. mixing ratio is 3:1 powder: water. Then mix for 10 seconds by hand to have the formable consistency plugging mortar.

Application

Apply Cicoplug® by gloved hand simply by pushing the mortar ball directly on the water leak spot and keep pressing for almost one minute till it sets. In crack water stopping, Cicoplug® should be used to plug part by another of not more than 5 cm length each time till all cracks are sealed.

After sealing the water leakage, a permanent repair procedure should take place to complete the job neatly. For more help, please review our Cementitious Repair Technical Guide.

CLEANING

Tools contaminated with Cicoplug® may be cleaned using clean water. Hardened material can only be removed by hand tools or light mechanical means.

PRECAUTIONS

Health And Safety

Cicoplug® is an alkaline, non-hazardous. It should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles and gloves should be worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When contact with the skin is made, wash off immediately with soap and water. If swallowed, seek medical attention immediately, do not induce vomiting.

TECHNICAL SUPPORT

CIC provides on-site assistance, as well as consulting services on projects when requested. Technical data sheets on other CIC products and guidance on their use are available on request.



Warranty

CIC products are guaranteed against defective materials and manufacture and sold subject to CIC's standard terms and conditions of sale. Whilst CIC endeavors to ensure that any advice, information or recommendation given is correct, the company cannot accept any liability either directly or indirectly arising from the use of its products. User of the product must test the product's suitability for the intended application and purpose, since the company has no control over the application of its products. Information contained in this document is given on the best current knowledge. Our Products are in continuous development and CIC reserves the right to change the product without prior notice.

Jeddah Head Office
Jeddah tower building -
SHARFIYA - PO BOX
7232 JEDDAH 21462
+96666532152
info@cictg.com

Central Region
Khurais road-Al Rabwa
Near Gulf Bridge Riyadh
+966 11-4937635
+96611-4939213

Eastern Region
Alkhuzayem 2/7446 King
Abdulaziz Rd Madinat Al
Umal-AlKhobar 34441
4759

Jeddah Factory
Modon Phase 3, Jizan
Road, Jeddah, Saudi
Arabia

Jubail Factory
2882 Road 118- 1St
Industrial Area Unit
No 69