

CICO REPOCEM RQ

RAPID HARDENING HIGH STRENGTH NON-SHRINK CEMENTITIOUS MORTAR

CICO REPOCEM-RQ is rapid hardening and drying, flow - free mortar for repairs work. The mortar hardens rapidly to give a tremendous strength and hardness. The mixed mortar sets after 1 hour and can be trafficked after 2 hours @ 20°C - 30°C.

USAGE

CICO REPOCEM-RQ is used and specified by major utilities like industrial projects, airport areas, highway departments and machinery and turbine manufacturers far and wide or any place where deep holes and crack need to be repair.

FEATURES

- Rapid setting that will effect minimum disturbance to traffic
- Very easy to use- addition of water only needed.
- No rusting, staining on exposed edges.
- Free from chloride compound ensures non-corrosive property.
- Highly adhesion that ensure good bonding to substrate.
- Reliable- produced under rigid quality control.

ADVANTAGES

- CICO REPOCEM-RQ is chloride free and non-metallic.
- Has controlled expansion and is guaranteed not to shrink.
- CICO REPOCEM-RQ has a measured volumetric expansion, within 2 hours it is completely stable, neither shrinking nor expanding.
- Provides a full bonding strength and is resistant to high impact and vibration without shattering.
- **CICO REPOCEM-RQ** is water and oil resistant and non-corrosive.
- Has an extremely high adhesive and pull-out strength.
- Withstands great fluctuations of moisture, dryness, heat and cold.

TECHNICAL DATA

Granulometry	0 – 2 mm
Water –Powder Ratio	0.11 to 0.13
Compressive Strength, N/mm² at 30°C, 2 hours	≥ 16
7 days	≥ 50
28 days	≥ 58
FWD (Kg/m³)	2400 ± 100
Chloride content	Nil (as per BS 5075 Part-I)
Shelf Life	6 Months in packed sealed condition

Note: - A differences may occur in compressive strength due to w/p ratio & environmental conditions.

INSTALLATION ADVANTAGES

- Facilitates easy handling and storage. REPOCEM RQ is protected in a vapour barrier bag that prevents exposure to the elements.
- Is ready to use and allows sufficient time for finishing work.
- Can be installed in all temperatures. At freezing temperatures, our Service Dept. should be consulted before mortar is carried out.
- Contains no harmful chemicals.
- Mortar may be used from minimum of 10 mm thickness to a maximum of 40-50mm.

METHOD OF APPLICATION

CICO REPOCEM-RQ is ready for use, requiring only the addition of water. Before placement the surface should be thoroughly cleaned and wet. Care must be taken to ensure that grease and oil are removed.. Mix for a short time, and then add the balance quantity of mixing water. Proceed to mix for about 2- 3 minutes. Mixing should be homogenous then Place the mixed material over primed surface, Strike off the surface to the correct level and Finish with a steel trowel for finishing of surface.

GENERAL INFORMATION

CICO REPOCEM-RQ will reach a compressive strength 160 kg/cm² within 2 hours and will increase to approximately 400 kg/cm² within 1 day.

Higher temperatures accelerate the setting time whereas lower temperatures will retard the time of reaching its compressive strength.

Repairs works depend totally on correct surface preparation. We should insure that all surfaces are completely free of oil, dust, grease, paint, corrosion and any other deleterious substances.

Note: Surface must be primed prior to repair. Firstly substrate which is to repair should be thoroughly soaked with clean water then applying Primer on it.

PACKAGING

10 kg in HDPE bag

STORAGE

Stored in undamaged sealed HDPE bags in dry condition at normal ambient temperatures.

HEALTH AND SAFETY

Alkaline in nature. Prolong contact with bare skin may cause irritation. It is non-toxic, non-inflammable, can be used safely.

Important Note:

All CICO products are sold in the market after strict Quality Control in line of ISO 9001 and guaranteed against any manufacturing defect. Although the basic formulation of Company's products generally remains unchanged, production refinements arising from continuing research and evaluation program may occasionally result in marginal changes in properties. CICO aspires to ensure that any recommendation, advice, test data, specification, method statement and other information given in this product datasheet is accurate and best of company's knowledge. Since, the company (CICO TECHNOLOGIES LTD) has no control over the selection of its product, applicators, application methodology, how and where it is applied, therefore, the company cannot accept any liability directly or indirectly arising from the use of its product. It is important to any customer, user or specifier satisfies him / herself that the product is suitable for the intended purpose including health, safety and environmental aspect. Unless or otherwise agreed in writing, all products of the company are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. All customers, users, specifiers should ensure that they examine the suitability of the product with company's latest product data sheet.

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