



Building & Repair Mortars ISOMIX RAPID CEMENT RC 100

Technical Data Sheet

Reviewed: 06.06.2015



DESCRIPTION

ISOMIX RAPID CEMENT RC100 is an extra strong cement-based fast-setting repair mortar. It is suitable for fast repairs and high mechanical strength fixing and anchoring applications. Its mechanical properties develop at a speed twenty times faster than standard cement. Presents excellent adhesion and sealing properties as well as excellent workability.

ADVANTAGES

- Excellent adhesion properties
- High mechanical strength
- Resistance to high temperatures
- Resistance to moisture and frost
- Resistance to chalking and corrosion
- Waterproofing properties

APPLICATIONS

- Quick repair of concrete structures in both horizontal and vertical surfaces.
- Fixing of plumbing and electrical installations, sanitary installations etc.
- Anchoring of machinery and support structures.
- Construction and repair of gutters, grooves and wells.
- Patching of cavities and holes, restoration of deteriorated cement surfaces.

INSTRUCTIONS FOR USE

1. Clean surfaces from any dust, dirt, grease, oils and loose materials. Wet surfaces thoroughly prior to application.
2. Add **RAPID CEMENT RC100** into water under constant stirring until a lump-free paste is achieved suitable for patching and fixing. Mixing ratio **RAPID CEMENT RC100** : water = 4:1 by weight.
3. The mixture is workable for 7 - 8 minutes and will harden within 6 - 7 minutes later.
4. **RAPID CEMENT RC100** is best applied in a layer of 2 - 3cm thick or less.
5. For surface strengthening a fiberglass net should be applied.

CLEANING

Remove as much material as possible from tools before cleaning. Clean all equipment immediately after use with soapy water.

COVERAGE

18kg/m² / cm of layer thickness

TECHNICAL CHARACTERISTICS

Form: Dry powder

Colour: Gray

Specific gravity: 1,8 ± 0,1gr/cm³

Specific gravity of fresh product: 2 ± 0,1gr/cm³

PH of fresh product: >10

Curing rate: 4 min

Max strength: 24h

Compressive strength

24h: 8,3 ± 1N/mm²

7 days: 26 ± 2N/mm²

24 days: 30 ± 2N/mm²

Flexural strength: 7,9 ± 1N/mm²

Shrinkage: No

Application temperature: +10°C - +35°C

	EVOCHEM S.A. Athens, Attica, Greece
EN 1504-3	
ISOMIX RAPID CEMENT Concrete repair product for non structural repair, cement based, polymer modified	
15	

STORAGE

Store in dry and cool storage conditions at temperatures 5°C -30°C. Protect from moisture, frost and direct sunlight.

SHELF LIFE

At least 12 months in the above-mentioned storage conditions. Products should remain in their original unopened sealed bags, bearing the manufacturers batch number.

PACKAGING

Bags 3kg

PACKAGING	CODE	BARCODE
3kg	07133	5204094071419

Evochem®

EVOCHEM S.A.
Tzaverdella place 13341, Fyli, Attica, Greece
Tel.: 210 5590460, 210 5590155 Fax: 210 5590244
E-mail: info@evochem.gr Website: www.evochem.gr





Building & Repair Mortars

ISOMIX RAPID CEMENT RC 100

Technical Data Sheet

Reviewed: 06.06.2015

HEALTH AND SAFETY INFORMATION



H315 Causes skin irritation **H317** May cause an allergic skin reaction **H318** Causes serious eye damage **H335** May cause respiratory irritation **P102** Keep out of reach of children **P271** Use only outdoors or in a well-ventilated area **P280** Wear protective gloves / protective clothing / eye protection / face protection **P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing **P310** Immediately call a POISON CENTER or doctor **P302 + P352** IF ON SKIN: Wash with plenty of water and soap **P333 + P313** If skin irritation or rash occurs: Get medical advice / attention **P261** Avoid breathing dust/fume / gas / mist / vapours / spray **P304 + P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing **P312** Call a POISON CENTER or doctor if you feel unwell **P362 + P364** Take off contaminated clothing and wash it before reuse **P501** Dispose of the contents / container in accordance with the current legislation on waste treatment **EUH208**: Contains cement portland, chemicals. May produce an allergic reaction. Substances that contribute to the classification: cement portland, chemicals

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



Evochem®

EVOCHEM S.A.
Tzavardella place 13341, Fyli, Attica, Greece
Tel.: 210 5590460, 210 5590155 Fax: 210 5590244
E-mail: info@evochem.gr Website: www.evochem.gr

