



## Plastering & Repair Mortars

### ISOMIX FERRO PRIME

Technical Data Sheet

Reviewed: 06.06.2015



#### DESCRIPTION

**ISOMIX FERRO PRIME** is brushable cement-based dry mix anticorrosion sealing slurry. It is suitable for protection of steel reinforcements from corrosion and also acts as a bonding agent between the old and new mortar and concrete in repair works. Based on the latest innovative technology M.C.I. (migratory corrosion inhibitors) it exhibits excellent anti-corrosion and adhesion properties Colour dark red.

#### ADVANTAGES

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

#### APPLICATIONS

- Protection of exposed steel reinforcements in repair works of damaged concrete from earthquakes, carbonization and frost or from inefficient cover during concrete pouring.
- Protection of steel reinforcements in thin building elements or in cases where the structural elements are exposed in high humidity.
- Application as a bonding agent between old and new concrete layer or mortar.

#### INSTRUCTIONS FOR USE

1. Steel reinforcements must be stable, free of rust, dust, grease etc.
2. Concrete must be free of loose materials, dust, grease etc.
3. Add gradually **ISOMIX FERRO PRIME** into water under continuous stirring until a uniform lump-free paste is formed (water addition: 30% - 40%).
4. **Application on steel reinforcements:** apply with a medium hardness brush in two layers max 1mm thick. Second layer must be applied after the previous one has dried.
5. **Application as a bonding agent:** apply with a brush in one layer max 2mm thick. Application of concrete or mortar layer must be applied wet on wet.

#### CLEANING

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

#### COVERAGE

0.07 – 0.13 kg/m as a steel reinforcement  
2 kg /m<sup>2</sup> as a bonding agent

#### TECHNICAL CHARACTERISTICS

**Form:** Dry powder

**Colour:** Dark red

**Specific gravity:** 1,4 ± 0,1gr/cm<sup>3</sup>

**Specific gravity of fresh product:** 1,90 ± 0,1gr/cm<sup>3</sup>

**Water addition:** 30% - 40%

**Shrinkage:** No

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

#### 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 unopened containers. Products should remain in their original unopened containers, bearing the manufacturers batch number.

#### PACKAGING

750gr, 4kg

PACKAGING	CODE	BARCODE
750gr	07039	5204094070399
4kg	7032	5204094070320

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#### HEALTH AND SAFETY INFORMATION



**Eye Dam. 1: H318** - Causes serious eye damage **Skin Irrit. 2: H315** - Causes skin irritation **Skin Sens. 1: H317** - May cause an allergic skin reaction **STOT SE 3: H335** - May cause respiratory irritation **P101**: If medical advice is needed, have product container or label at hand **P102**: Keep out of reach of children **P264**: Wash with water and soap thoroughly after use **P280**: Wear protective gloves / protective clothing / eye protection/face protection **P302+P352**: IF ON SKIN: Wash with plenty of water **P304+P340**: IF INHALED: Remove person to fresh air and keep comfortable for breathing **P305+P351+P338**: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing **P501**: Dispose of contents and / or their container according to the separated collection system used in your municipality. Substances that contribute to the classification: Cement, portland, chemicals; Glass, oxide, 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.



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