

**Repair, Reinforcement and Restoration /  
Cement Based Repair and Grout Mortars****REPAIRFIX<sup>®</sup> 5**

Fine Repair Mortar

**DESCRIPTION**

Cement based, single component, polymer added, **fine aggregated** surface repair and smoothing mortar which provides a smooth finishing in concrete surfaces. Complies with **R2** class,

**APPLICATION AREAS**

- Indoor and outdoor
- Horizontal and vertical applications
- Restorations
- Repairing concrete and prefabricated concrete elements
- Smoothing and repairing wall and ceiling plaster
- Prior to painting, ceramic covering and waterproofing in order to have a flat and sound surface. Suitable for **static cracks up to 5 mm**.

**TECHNICAL PROPERTIES**

<b>Appearance</b>	Grey colored fine powder
<b>Powder Density</b>	~ 1.40 kg/L
<b>Water Mixing Ratio</b>	5 - 6 L water / 25 kg powder
<b>Resting Period</b>	5 - 10 minutes
<b>Pot Life</b>	~ 30 minutes
<b>Application Temperature</b>	+ Between +5°C and +35°C
<b>Bond Strength by Pull-off</b>	≥ 0.8 N/mm <sup>2</sup> (EN 1542)
<b>Flexural Strength</b>	≥ 4 N/mm <sup>2</sup> (EN 196-1)
<b>Compressive Strength</b>	≥ 15 N/mm <sup>2</sup> (EN 12190)
<b>Service Temperature</b>	-20°C / +70°C

**ADVANTAGES**

- Does not cause cracking and dusting
- Just mixed with water and easy to apply.
- Dries quickly and allows utilization in a short period of time.
- Provides high adherence without primer
- Resistant to water and freeze-thaw cycle
- Can be produced as fiber reinforced upon request.

**CONSUMPTION**

1.5 kg/m<sup>2</sup> (for 1 mm thickness).

## APPLICATION

### CONSUMPTION

- The surface must be cured.
- The surface must be clear of materials which prevent bonding, such as dust, oil, paint, curing agents, detergents, mold release oils and silicone.
- The surface must be wet and be kept damp

### PREPARATION OF THE MORTAR

- Add 25 kg of REPAIRFIX 5 Fine Repair Mortar to approximately 5-6 liters of clean water and mix with a low speed mixer or with a trowel, until there are no lumps.
- Leave the mortar to mature for 5 - 10 minutes, then is mix again 1-2 minutes before use
- Use the mortar in 30 minutes.

### APPLICATION

- Apply the repair mortar with a trowel to the areas broken off from the surface, cracked and fractured.
- It can be applied between 1 - 5 mm thickness.
- It is recommended to moisturize the surface occasionally for 24 hours following the application.

### CAUTION

- Avoid application below +5°C and above +35°C
- Avoid application on frozen areas, on areas under risk of freezing in 24 hours or on areas open to direct sunlight or wind
- Never add powder or water to the expired mortar.
- After the completion of the application, keep the surface damp until the mortar is cured.
- Do not apply on gypsum, ready colored plaster, paint and outer facade coatings.

### PACKAGING

25 kg kraft bags

### SHELF LIFE

Expires in 12 months. Store unopened packages in non-humid environments. Stack up to 10 packages on the pallet.

### HEALTH AND SAFETY

As with all chemical products, contact with food, skin, eyes and mouth should be avoided during usage and storing. During the application, work wears, protective gloves and goggles should be used according to the work place health regulations. If swallowed by accident, consult a doctor. Rinse with water in case of contact with skin. Keep out of reach of children.

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at 23±2°C temperature and 50±5% relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Yapı Chemicals San. Trade Ltd. Sti. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.