

**Repair, Reinforcement and Restoration /
Cement Based Repair and Grout Mortars**

REPAIRGROUT FAST

Fast Setting Shrinkage Compensated Flowable Grout Mortar

DESCRIPTION

Cement based, single component, **shrinkage compensated, fast setting, high strength** grout mortar in **fluid** consistency which does not segregate or bleed. Complies with **R4** class.

APPLICATION AREAS

- Indoor and outdoor,
- Elevating manhole covers,
- Assembling curbstones and borders,
- Anchoring poles and city furnitures,
- Anchoring machinery feet,
- Repairing field concrete, runways and helipads,
- Areas where quick usage and fast strength is required,
- Assembling the concrete elements of prefabricated constructions,
- Filling the gaps in places that are hard to access.

TECHNICAL PROPERTIES

Appearance	Grey colored powder
Powder Density	~ 1.40 kg/L
Water Mixing Ratio	3.25 – 4 L water / 25 kg powder
Resting Period	2 - 3 minutes
Application Temperature	Between +5°C and +35°C
Compressive Strength	1 hour : ≥ 10 N/mm ² (EN 12190) 28 days : ≥ 45 N/mm ² (EN 12190)
Application Thickness / Layer	Min. 10 mm, Max. 50 mm
Walk-on Time	2 hours

ADVANTAGES

- Setting is completed not later than 20 minutes. Can be open to use in 1 – 2 hours.
- Due to its fluidity, it can grout gaps and can be applied easily with a pump.
- Prevents shrinkage after setting.
- High strength and fluid concrete can be obtained by mixing with number I clean aggregate by 25%, if required.
- Resistant to oil and water permeability thanks to its high density.
- Does not contain metallic aggregate and chloride.
- Just mixed with water and easy to apply.

CONSUMPTION

Appr. 20 kg/m² (for 10 mm thickness)

APPLICATION

PREPARATION OF THE SURFACE

- The application surface must be cured.
- The surface must be free of weakly adhered parts and clear of materials which prevent bonding, such as dust, oil, paint, curing agents, detergents and mold release oils.
- When used to locate the feet of the machine; put the mortar on a scale and do not change its position.
- Wet the surface and keep it moist, but remove completely the excess water ponding on the surface.
- Close the active water leaks on the surface with a suitable plug and drain the water leak.
- Molds must be solid to prevent leakage, the area must be protected from any vibration until the mortar sets.

PREPARATION OF THE MORTAR

First, add half of the powder in a 20 kg bag to 3.25 – 4 liters of water and mix with a mixer with low speed (400 - 600 rpm) until there are no lumps. Then add the rest of the powder. Mix for at least 2 minutes until it is homogenous.

APPLICATION

- Since it sets fast, apply the mortar immediately after the mixture is prepared.
- Apply the mortar with a trowel, between 10 – 50 mm on each layer. Pour the mortar uninterruptedly from only one side of the mold to prevent air entrapment. For thicker application, apply the second layer to the surface in the same way when the first layer is dry.
- Do not expose to vibration, locate with a steel wire.
- Remove the molds in approximately 1 – 2 hours.
- Prevent vehicle traffic or operation of machinery until it is completely hard.

CAUTION

- Avoid application at temperatures below +5°C and above +35°C.
- Be extremely sensitive in water ratios. Mix it with a low-speed mixer and do not mix manually.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours, or in areas open to direct sun and wind.
- Do not add water and powder to the expired mortar.
- Use only unopened packages.

PACKAGING

25 kg kraft bags

SHELF LIFE

Expires in 6 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.



Technical Data Sheet (TDS)

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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 $23\pm 2^{\circ}\text{C}$ temperature and $50\pm 5\%$ 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.