

ARKIM ARREPAIR GROUT/5411

■ Definition

It is a cement-based, highly fluid, non-shrinking, high-strength, waterproof repair and anchorage mortar.

■ Application area

- ARKIM ARREPAIR GROUT is used in the production of steel structures, prefabricated structures, machinery and crane mounting bases, foundation sockets, curtain and column heads, fixing steel columns to the foundation, repairing reinforced concrete structural elements, fixing sprouts and anchors, fixing old It is used to fill the gaps formed between the concrete and the new concrete.

■ App features

- Usability time max. 45 minutes
- Working time max.20 minutes
- Application thickness min. 10mm
- Application thickness max. 70mm
- Waiting time between floors min. 3 hours
- Opening time to service: 24 hours
- Full curing time: 28 days

■ Surface preparation

- The surfaces on which ARKIM ARREPAIR GROUT will be applied must be free of dust, dirt, oil , etc. It should be cleared of residues that will prevent sticking, such as
- The loose parts with low adherence should be removed from the surface.
- The surface must be cured and sound.
- The application surface should be wetted and kept moist, but excess water should be completely removed from the application surface.
- In molded applications, care must be taken to ensure that the molds are strong in order to prevent leakage during the placement and curing of the mortar, and vibration of the application area must be prevented until the mortar hardens.

■ Application conditions

- Ambient temperature between +5 °C and +35 °C,
- It should not be applied on frozen, melting or frost risk surfaces within 24 hours.
- It should not be applied under direct sun, strong wind or on hot surfaces.

■ Warnings and Advice

- Absolutely no foreign substances should be added.
- After the application, all the tools used should be washed with water before they dry.
- After the application, the surface should be moistened for 2-3 days.
- If the ambient temperature is below +8°C, the application floor should be covered and the placed mortar should be kept at minimum +8°C.

■ Application tools

Hand mixer , steel trowel, steel wire brush

■ Application

- The container in which the mortar will be prepared must be clean and free from the residues of the previous mixture.

Attention should be paid to the cleanliness of the water and materials used.

25 kg ARKIM ARREPAIR GROUT to 3.5-4 liters of water

- Water is poured into the container first, and then the powder is gradually sieved. Mix until there are no lumps.
- A low speed mixer should be used to make the mixture homogeneous.
- After the mixture becomes homogeneous, no powder, water or any other substance should be added.
- ARKIM ARREPAIR GROUT in fluid form should be poured uninterruptedly from one side of the previously prepared mold, so that air entrapment in the mixture should be prevented.
- In order to ensure that all the cavities in the mold are filled, a steel wire with a hooked end should be used for placement. The vibrator should never be used.
- It should be subjected to curing process immediately after the application. Inadequacies in curing can reduce the initial expansion necessary to compensate for subsequent shrinkage.
- After the application, hands and application tools should be washed with plenty of water.

■ Consumption

Approx. 20 kg/m² (for 10 mm layer thickness)

- **Performance Information**

- Compressive Strength (1 day): $\geq 28 \text{ N/mm}^2$
- Compressive Strength (7 days): $\geq 35 \text{ N/mm}^2$
- Compressive Strength (28 days): $\geq 50 \text{ N/mm}^2$
- Bond Strength: $\geq 2 \text{ N/mm}^2$
- Temperature resistance: -30°C to $+60^\circ\text{C}$
- Note: The application properties have been obtained as a result of experiments carried out in a laboratory environment ($23 \pm 2^\circ\text{C}$ and $50 \pm 5\%$ humidity and no air flow) and may vary according to different ambient conditions. Performance information has been tested in the environments specified in accordance with the relevant standard of the product, and results may differ in different environments.

- **Reference Standards**

- TS EN 1504-3 / Class: R4
- Public Works Pos No: 04.613/33

- **Packaging**

- 25 kg Kraft bag,
- 64 pieces on pallet, 1600 kg

- **Physical state**

- Gray, powder

- **Storage Conditions**

- A maximum of 10 layers of kraft bags on top of each other during storage.
- Storage should be done indoors and in areas away from direct sunlight.
- The bags should be stored in such a way that they do not touch the ground and be protected from moisture.
- Under these conditions, the product can be stored for 12 months from the date of manufacture.
- Improper storage conditions or exceeding the period of use may deteriorate the qualities of the product.