



5022

Fast Setting Shrinkage Compensated Flowable Repair Mortar



Product Code : 5022
Quality Certificates

The product conforms to the EN 1504-3 standard R4 class.

Description: A cement-based, single component, shrinkage compensated, fast setting, high strength repair mortar in fluid consistency. Does not cause segregation and bleeding.

Application Areas: In elevating man hole, in assembling cobblestones and borders, in anchoring poles, in anchoring machine feet, in repairing field concrete, runways and helipads, in areas where immediate usage and fast strength is required, in assembling the concrete elements of prefabricated constructions, in filling the gaps in hard to reach places, in grouting the gaps that exist around the installation pipes and elements

Advantages:

- Setting begins in 5 minutes and completed maximum in 20 minutes. Can be used 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 or number II aggregate, if required
- Resistant to oil and water due to its high compactness
- Does not contain metallic aggregate and chloride.

Preparation of the Surface: Special attention must be given that the application surface is cured. The application surface must be clear of weakly bonded parts and materials which prevent bonding, such as dust, oil, paint, curing agents, detergents, mold release oils and silicone. In order to prevent leakage during the replacement and curing of the mortar in molded applications, attention must be paid that the mold is sound and the application area must be protected from any vibration until the mortar is hard. Machine feet must be located and balanced; its position should not be changed. The application surface must be wet and be kept damp, however the excess water on the application surface must be removed

Preparation of the Mortar: In order to provide its fluidity, only half of the powder in 25 kg bag is added to 3,5 – 4,0 lt of water and mixed by a mixer with low speed (400 - 600 rpm) until there are no lumps. Then the rest of the powder is added and continued to be mixed at least for 2 minutes until a homogenous consistency is reached.

Application Information: The prepared mortar is poured continuously from one side in order to prevent air to remain inside the mold, generating 10 mm - 40 mm thickness at each layer. It should not be exposed to any vibration and should be located with a steel wire. The molds can be demounted after 24 hours. Vehicules traffic must be prevented until complete setting.

Consumption: Appr. 20 kg/m² (for thickness of 10 mm)

Caution: Avoid application in temperatures below +5°C and above +35°C. Special attention must be given to water mixing rates during mixing. It must be mixed with a low speed mixer, do not mix manually. Avoid application on frozen areas, on areas under risk of freezing in 24 hours or on areas open to direct sunlight or wind. Never attempt to extend the expired mortar by adding powder and water

Packaging: 25 kg craft bags

Shelf Life: Unopened packages can be stored in dry environments for up to 12 months, stacked maximum 10 packages on a pallet

Health and Safety: As with all chemical products, contact with food, skin, eyes and mouth should be avoided during usage and storing. If swallowed by accident, consult a doctor. In case of contact with skin, rinse with plenty of water. Keep out of reach of children.



Technical Properties	
Appearance	: Grey colored powder
Powder Density	: ~1,40 kg/lt
Water Mixing Rate	: 3,25-4 lt water / 25 kg powder
Resting Period	: 5 - 10 minutes
Application Temperature	: Between +5°C and +35°C
Compressive Strength	: 1 day : ≥ 20 N/mm ² (EN 12190)
	: 7 days : ≥ 50 N/mm ² (EN 12190)
	: 28 days : ≥ 65 N/mm ² (EN 12190)
Walk-on Time	: 24 hours

Application instructions and technical data provided for the products are obtained in line with our experience and the tests we implemented according to international standards under ambient temperatures of 23 ± 2 °C and ambient relative humidity conditions of 50%±5. Higher temperatures decrease the times and lower temperatures increase them.