

GRT 25

Cement Based, Flowable and Fast Setting Grout Mortar

Description

GRT 25 is a cement based, single component, fast setting repairing and filling mortar with early mechanical strength.

Fields of Application

- Required high strength and fast curing areas.
- Installation of manhole frames.
- Repairing track and runway concrete pavements.
- Repairing vehicle and pedestrian traffic areas.
- Fixing of the kerbstone and paver.

Features and Benefits

- Fast setting and can be opened to traffic within 1 hour after curing.
- Early mechanical strength.
- High compressive strength.
- Does not peel off and bleed.
- Has flowable property.
- Easy to apply, mixed with only water.

Technical Information

Content	Mineral fillers, polymer modified special cement
Color	Grey
Mixing Ratio	25 kg GRT 25 : 3-3,5 L water
Compressive Strength (TS EN 196)	>20 N/mm ² (1 hour) >45 N/mm ² (24 hours) >65 N/mm ² (28 days)
Levelling (EN 413-2)	>25 cm (self levelling)
Application Temperature	+5°C to +30°C
Pot Life	7 minutes
Curing Time	
<i>Initial setting</i>	<i>20 minutes</i>

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<i>Pedestrian traffic</i>	<i>1 hour</i>
<i>Full Curing</i>	<i>28 days</i>
HS Code	3214.10.90.00.00

Application Procedure

Preparation of Substrate

Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. If there is a water leakage it must be drained or properly plugged. Concrete surfaces must be saturated with water before application.

Application Method

25 kg bag **GRT 25** is poured slowly into 3 - 3,5 liters of water under low speed mixer for 3-4 minutes until obtaining homogenous mixture. Mixture should be applied on the surface immediately because of quick setting property. **GRT 25** is only applied for filling applications as 10-50 mm thickness for each layer. If required more thickness surface, aggregate can be added to grout. If needed much more thickness extra aggregate should be added on the grout in ratio of 1/2 (1 cup aggregate / 2 cups powder). Vehicle traffic or machinery should be avoided until full cure occurs.

Consumption

For 10 mm thickness 21 kg/m² powder product needed. Recommended application thickness is min. 10 mm / max. 40 mm.

Packaging

25 kg kraft bag

Shelf Life

12 months in original, unopened package.

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Storage

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight.

Cleanup Information

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

Cautions / Limitations

- Prepared material must be used within 7 minutes at 20°C.
- Do not use as a floor coating material.
- It may be harmful with skin contact.
- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.
- Do not use when air and surface temperatures are below +5°C and above +35°C.

Health and Safety

Warning! Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.

Limited Warranty: This product is subject to a written limited warranty which can be obtained free of charge from BAUMERK Company. Please contact with technical service department for further information and support.