

Product Description Grout 101 is a premixed cementitious non-shrink grout and high compressive strength composed of special cement, sand and admixture.

Uses & Applications Grout 101 is suitable for:

- Steel structure grouting work (Column, truss, cranes.)
- Machine support grouting work (High load machine.)
- Concrete structure work (Bridge Bearing.)
- Anchoring system work.
- Repair of defective concrete.
- Precast joints.

- Key Benefits**
- Non shrinkage.
 - Good flowability and consistency.
 - High compressive and flexural strength.
 - Dynamic load.
 - Non bleeding.
 - High early strength.

Technical Data

Properties	Results	Test Method
Appearance	Grey powder	-
Particle size	0.3 – 1.7 mm	-
Compressive Strength	1 days – 400 ksc 3 days – 550 ksc 7 days – 650 ksc 28 days – 700 ksc	ASTM C109
Bleeding	0%	ASTM C232
Shrinkage	0.54%	ASTM C827
Setting time	Initial – 3 hr 30 min Final – 5 hr 50 min	ASTM C807
Fluidity	0 min – 15.75 s 15 min – 20.15 s	JSCE-F531

Application Instructions *Surface Preparation*

- Ensure the surface is clean and dry. All substrates must be free of dirt, grease, oil, mould release agents, bond breakers or any other contaminants that may interfere with adhesion.
- In case of install anchor bolt, material should be clean, free from oil and dust.
- In case of concrete repair, extract loose or poor concrete to good concrete condition.

Mixing

- Mix material in a clean container with water approximately 3.5 – 4.5 liter per bag.
- Use low speed mixer until free form lump.
- Use hand mix for small quantity.

Application

- Pour mixed material slowly. Ensure that air entrapped into the grout is allowed to escape.
- Provide adequate ventilation during use.

Cleaning up

- Tools and equipment must be cleaned with water immediately after use.

Safety Instructions

Avoid inhalation of the powder, prolonged skin contact and particularly eye contact. Wear protective clothing to minimize skin contact and wear goggles where splatter is likely. In case of eye contact: promptly wash eyes with plenty of water. Continue to rinse for at least 15 minutes and consult physician immediately. A Material Safety Data Sheet (M.S.D.S.) is available on request.

Packing

25 kg. per bag

Storage & Shelf Life

Material must be kept in-door, avoid of direct sunlight and humidity. It should be stored at room temperature. Shelf life is 12 months.

Disclaimer: The information provided in this document is based on our knowledge and experience of the product. In actual application results may vary because of site conditions, application methods and other factors that beyond our control. Users are recommended to test out product performance before actual use. Any data contained in this document, including our sale person or staff consultation is in no way constitutes a warranty relative to the use of our products. Our general terms and conditions of sales shall prevail. The superseded version of this datasheet may be issued without prior notice. Customers and users are encouraged to check with our staffs for the latest version of this document.

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