



# MIXSEAL G650

HIGH PERFORMANCE NON – SHRINK CEMENTITIOUS GROUT

Update 02/2024

## PRODUCT DESCRIPTION:

**Mixseal G650** is a premixed cementitious, environmentally friendly grout with non-shrink properties. Grout main components are Portland cement with selectively natural aggregates and shrinkage compensating admixtures. The product is specifically developed as a high-strength, controlled expansion, non-toxic, environmentally friendly, cost-effective and general-purpose grout for use across a broad range of large and small construction projects.

## PRODUCT USES

- Repair concrete surface or other surface;
- Grouting for base plate, machine base plate, bridge bearing, anchor rods;
- Filler space between precast structures, holes, pipes;
- Repair for special structures.

## FEATURES AND BENEFITS

- Just add water and easy to control flow;
- Can be pumped by the special machine;
- Good flow, self leveling – can be filled the complex structure failures;
- Rapid strength development;
- Low shrinkage, no delamination, high impact resistance;
- Does not contain chloride, iron, non-toxic and non-corrosive.

## TECHNICAL DATA

Specifications	Standard	Value
Water content		13.5%
Fluidity spreading	TCVN 9204	23 ~25 cm
Set Time	TCVN 9204	4 ~ 6 hours
Dewatering	TCVN 9204	0%
Height changes of mortar after setting	TCVN 9204	0,11%
Expansion of hardened mortar after 1 ~ 28 days	TCVN 9204	0,08 ~ 0,28 mm/m
Compressive Strength (Wet Cure): <ul style="list-style-type: none"> <li>• 1 day</li> <li>• 3 days</li> <li>• 7 days</li> <li>• 28 days</li> </ul>	TCVN 9204	<ul style="list-style-type: none"> <li>• 29,5 N/mm2</li> <li>• 50,0 N/mm2</li> <li>• 58,8 N/mm2</li> <li>• 65,0 N/mm2</li> </ul>

## PACKAGE

- Package: bag 25 Kg - approximately 13.0 litres of grout i.e;
- Mixing ratio: 3.25 – 3.75 litres water per bag (25 kg).

**Preparation:**

- Remove all dirt, oil, grease, loose material, rust (metal surface) and other bond-inhibiting materials;
- Formwork must be tightness, rigidity;
- Prior to pouring, surface must be wetted to saturated surface dry.

**Application:**

- Mix only as much material as can be used. Always use electric mixer;
- Maintain sufficient pressure head with uninterrupted grout flow. Use steel rod or chain to aid complete filling and finish the placement in the shortest possible time.
- In case the pouring blocks large, thick, add aggregate well-graded aggregate up to 30mm at the ratio of between 50-100% by weight of powder but it must not exceed 33% the size of the minimum gap. The use of cold water to mix the grout will be beneficial in keeping the temperature down during the initial cure;
- Protect and curing as soon as the setting time of mortar, follow with Standard. Keep moist for the next 3 days but no water standing on the surface.

**Mixing ratio:**

- Pour about 3 litres of water into a suitable bucket, then add slowly powder into bucket and mix to a thick paste consistency, ensuring any lumps are broken down by 500 rpm. Control the viscosity of mixture by adjusted volume of water;
- Mix the grout about 3-5 minutes until a smooth consistency, free from lumps or air bubbles;
- To obtain the consistency required, add approx 3.25~3.75 litres water per 25kg bag.

*Note: If using more than 13.5% water content, technical data will have a negative effect.*

**Health and safety:**

- Non-toxic and non-flammable.
- Avoid direct contact with skin, wear suitable labor protections when using.
- After contact with skin, wash immediately with plenty of soap and water.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical help.

**Storage and self life:**

- Storage: in a cool, airy and dry location..
- Self life: 12 moth when unopened, undamaged original packaging.



**Note:** Mixseal warrants that the products manufactured by it shall be free from material defects and will conform to formulation standards and contain all components in their proper proportion. Should any of the products be proven defective, the liability to Mixseal shall be limited to replacement of the material proven to be defective, and Mixseal shall in no case be liable otherwise or for incidental or consequential damages. Mixseal makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties expressed or implied. User shall determine the suitability of the product for its intended use and assume all risks and liability in connection therewith..