# TRI- GROUT AG

**High Flowable, non-Shrinkage Cementitious Grouting Mortar**

## Description

**Tri-Grout AG** is a pre- mixed ready to us as high quality non -shrink cementitious grouting mortar.
**Tri-Grout AG** is a blended of cement, Filers, quartz aggregates and high selective chemicals additive,when only mixed with water - obtain a flowable grouting mortar with controlled expansion and high compressive strength.
**The product is certified by National Research Center.**

**Tri-Grout AG** has been tested accordance to: ASTM (C579/C580)

## Uses

**Tri-Grout AG** is generally used as grouting in :-
• Anchorage of bolts or iron bars in concrete.
• Fill gap under steel base plates in steel structures and substrate.
• Grouting for production lines, alternators, turbines, compressors and generators.
• Caulking of joints and pipes.
• Under supports of bridges, machines, structures, etc.

## Advantages

• Non - shrink mortar.
• High flowable and easy self-leveling.
• High early compressive strength.
• Free from iron and chlorides.
• Can be pumped, injected, vibrated or compacted.

## Technical Data @°25c

| Color | Grey Powder |
|---|---|
| Density | 2.1 ± 0.1 kg/L |
| Compressive Strength  ASTM C579 | 52.45   N/mm$^2$ @28 days |
| Flexural strength ASTM C580 | 19.57   N/mm$^2$ |
| Modulus of elasticity ASTM C580 | > 134   N/mm$^2$ |
| Chloride Content | Nil |
| Consistency on mixing | Water content @20?C (Liter/25 Kg bag) |
| Flowable | 4.5 |
| Trowellable | 3.4 |

ISO 45001   ISO 14001   ISO 9001

© 2022 TRI - GROUT AG

## TRI- GROUT AG

**High Flowable, non-Shrinkage Cementitious Grouting Mortar**

### Directions for use

The substrate must be clean, sound and free from all contaminants that may have an effect on the adhesion strength like dust, oils and grease, wax cement laitance, and any other contaminants.

The required grouting substrate should be wetted with water before casting of **Tri -Grout AG.**

Prepare the specified amount of water (3- 4) liter/ 25 Kg **Tri -Grout AG** depending on required flowability.

Added 2/3 of clean water on empty mixed container then added **Tri -Grout AG** step by step during continuously mixing by using drilling mixer until obtain homogeneous mortar without any agglomerates then added the rest of water with mixing well for 3 minutes**.**

Pour the mixed product on the required grouting place with required thickness.

Areas to be grouted should be prepared in usual way to ensure, clean sound, pre-wetted substrates.

Place the grout within 5 - 15 minutes of mixing to gain the full benefit of grouting and controlled expansion process.

Treat the grouting surface by using **Tri – Cure** or by using traditional methods for at least 18 hours after casting .

for large scale casting, a clean aggregate and gravel can be added about 10 Kg/25 kg bag of **Tri -Grout AG**

### Cleaning

All tools should be cleaned with water immediately after use.

### Package

**Tri -Grout AG** is available in packing 25 kg

### Shelf Life

Has a shelf life of 12 month stored in dry and cool place

### Storage

**Tri -Grout AG** should be store in original closed container; avoid the direct Sun light, mousers. The storage temperatures (10 – 40) C˚

### Health and Safety

Application should be carried out in well ventilated place.

Gloves, protective clothing and eye goggles should be worn during application.

Skin contaminations should be immediately cleaned with soap and plenty of water.

If the material is splashed into the eyes, they should be immediately washed with water and then report to an eye specialist

Do not eat or smoke during application.

ISO 45001  ISO 14001  ISO 9001

© 2022 TRI - GROUT AG

Best Choice