

# NON-SHRINK GROUT

GoMix Non-shrink Grout is a ready-mixed, non-shrink, nonmetallic, flowable, high-strength structural grout. It contains a balanced blend of washed and graded silica sands, portland cement, flow improvement compounds, and a shrinkage compensating system which produces a volume stable structural grout.

GoMix Non-shrink Grout produces high early and ultimate strengths without intermediate or latent shrinkage. It remains stable without failure from compressive loading, impact, high heat or continuous vibration.

## **USAGE**

GoMix Non-shrink Grout is used where non-shrink, high-strength, structural, durable grout is required such as:

- precise machine bases, pump and equipment bases,
- structural columns, machine tools,
- compressors, and anchor bolts.

## **SURFACE PREPARATION**

- Clean surface of oil, grease, dirt, laitance and loose material, down to sound concrete.
- Metal surfaces are to be free of rust or other foreign material.
- Clean bolt holes, bolts and underside of bed plates.
- After roughening the concrete surfaces, saturate the surfaces and bolt holes with water for 24 hours prior to grouting.

## **FORMING**

- Construct a rigid, watertight form around the bearing plate or object to be grouted.
- Form elevation should be approximately one vertical inch higher than the highest point to be grouted.
- On large pours a form sloped at a 45-degree angle or "head box" should be employed to facilitate

placement.

- Side and end forms should be positioned at least one horizontal inch from the bearing plate or equipment base.
- Placement side form should be at least two inches from the object to be grouted.
- Do not place grout in large, unsupported open areas.

## **MIXING**

- Add GoMix Non-shrink Grout to a bucket of clean water mixing constantly with electric mixer until a thick creamy consistency is achieved.
- Mixing ratio:  
Plastic: 25kg grout : 3.5L water  
Fluid: 25kg grout : 4.7L water
- Locate the mixing equipment as close to the area to be grouted as possible.
- Mix only the amount of grout that can be placed in 30 minutes.



## **APPLICATION**

- Before grouting remove all ponded water from the surface of the concrete substrate leaving only a damp surface.
- Place grout in bolt holes first.
- Grout should be placed from one direction only in order to reduce the amount of voids under plate.

- Grout should be placed without stopping until the forms are overflowing and entrapped air can no longer be seen in the grout as it flows from under the plate and over the forms.
- The grout should be poured across the slant form, or through funnel, until the grout has completely filled the formed area and is overflowing the forms.

### **CURING**

- Exposed GoMix Non-shrink Grout must be protected and cured immediately after placement.
- Cover with clear plastic, damp clean rags or burlap for a period of 72 hours.
- Do not let the rags or burlap dry out during the curing period.
- After the initial 72 hours curing period, and after the forms have been removed, a compliant curing compound should be applied to all exposed areas for a long term cure.

### **STORAGE**

GoMix Non-shrink Grout bags are to be kept in dry storage to prevent water contamination, protect from direct sunlight.

### **SHELF LIFE**

Shelf life is one year in unopened bags when properly stored.

### **NOTE**

- Avoid GoMix Non-shrink Grout placement when temperatures are (or will be) below 5°C within 24 hours.
- Do not over-vibrate fluid consistency grout.
- Do not add plasticizer, accelerators or additional cement to non-shrink grout.

### **PRECAUTIONS**

- Contains portland cement and silica sand.
- Freshly mixed cement is highly alkaline and may cause skin injury.
- Avoid creating and inhaling dust.
- Provide ventilation and respiratory protection.
- Wear skin and eye protection.
- Dust mask recommended.

### **TECHNICAL DATA**

<b><u>Physical state and appearance</u></b>		
<b>Packing</b>	25kg / bag, grey powder	
<b>Working Time:</b>	approximately 30 minutes	
<b>Initial Setting Time:</b>	approximately 5 hours	
<b>Typical Volume Change:</b> ASTM C 1090 and CRD C621	Fluid + 0.02% (3 days)	
	Fluid + 0.03% (28 days)	
<b>Typical Compressive Strength: (MPa)</b>	<b>Stiff Plastic:</b>	54(7days) 68(28days)
	<b>Flowable:</b>	48(7days) 57(28days)
	<b>Fluid:</b>	34(7days) 45(28days)

For further information consult our Technical Department

#### **GoMix Co., Limited**

**Hong Kong Office:** Bright Way Tower 33 Mong Kok Rd Mong Kok KL HK

**Guangzhou Office:** Rm 717-718, Huaerdun Hotel, #557, Xinhshi R, Baiyun, Guangzhou, China

Tel.: 0086 20 6106 9818

Email: [hkgomix@gmail.com](mailto:hkgomix@gmail.com)

Fax: 0086 20 6106 9819

Web.: <http://www.gomixcoat.com>