



TESON-NSG NON-SHRINKING GROUT (TM-301)

Description:

TESON-NSG Non-Shrinking Grout (TM-301) is general purpose cementitious grouting for precast and prestressed panel which controlled expansion and compensate of the concrete shrinkage.

Its contains portland cement, specialty aggregate and additive. TESON-NSG Non-Shrinking Grout can be used for repairing defects on concrete, grouting column based, filling coreholes and rod holes.

Applications:

- Repairing defect of concrete
- Grouting for precast and prestressed panel
- Grouting column base
- Grouting coreholes or rod holes
- Grouting cracks on concrete floor
- Grouting around pipes and joints

Advantages:

- Non-toxic and not contain metallic iron that will not cause staining on metal plate.
- No shrinking and no bleeding.
- Easy to use by add water and can ready to use.
- Can be trowelled and easy to flow.
- Compressive strength up to 55-56 MPa after 28 days.

**TESON-NSG
NON-SHRINKING
GROUT (TM-301)**

- Non-toxic, non-corrosive.
- Control pre-cast concrete expansion.
- Compensation precast concrete shrinkage.
- Pouring or trowelling application.
- Coverage: Approximately 1.3L
- Mixing Ratio: 4:5L water/25kg bag

Mixing Method Anchor bolt (filling) Precast concrete repair

BOND & SEAL BETTER

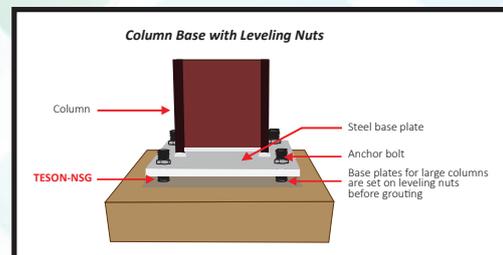
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WATERPROOFING PRODUCTS

Product Performance:

Test Parameter	Standard	Result
Setting Time		
-Initial Set	ASTM C 953;1987	5.5 hours
-Final Set	ASTM C 953;1987	6.5 hours
Compressive Strength		
3 Days	ASTM C 942;1999	30 N/mm ²
7 Days	ASTM C 942;1999	45 N/mm ²
28 Days	ASTM C 942;1999	55 N/mm ²
Expansion	ASTM C 940;1998a	1.5-1.8%
Shrinkage	ASTM C 940;1998a	<0.2%
Bleeding	ASTM C 940;1998a	0%

Application Reference:



Product Range:

PRODUCT CODE	PACKING SIZE	PACKING FORM	COLOUR
TM-301/25K	25kg	Paper bag	GREY



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FEATURES & BENEFITS:

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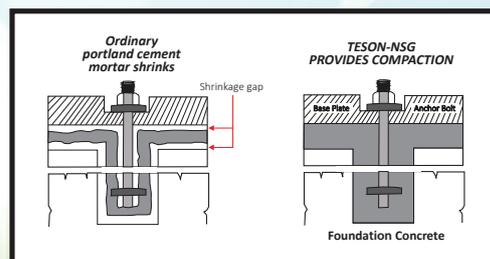
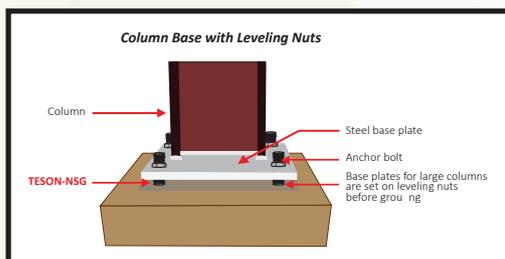
SUBSTRATE PREPARATIONS:

Substrate must be clean, free from oil, grease, concrete curing compound or any loose materials. Bolt and anchor holes must be clean and free from dust.

It is important to pre-soak the concrete substrate prior to application of Teson-NSG. Water in the anchor and bolt holes must be "blown out" and no trace of free water present whilst grouting.

Place air channel if necessary to prevent air trapped when pouring TESON-NSG.

APPLICATION REFERENCE:



LIMITED WARRANTY:

Seller and manufacturers only obligation shall be replacement of such quantity of product proved to be defective. All advice given herewith is to be the best of knowledge, true and accurate. All recommendations or suggestions are made without guarantee. Since the condition of use are beyond our control, the seller or manufacturer shall not be liable for any injuries, loss or damage, direct or consequential arising from the use of or the failure of the product. Before using, user shall determine the suitability of the product for his intended use and user assumes all risk and liability.

HOW TO MIX:

Pour 5.0 liters of clean water into the empty container. Slowly add TESON-NSG Non-Shrinking Grout powder whilst mixing. The mixing must be continued for a maximum of 5 minutes until a homogeneous consistency is obtained. For optimum result, TESON-NSG must be mixed with Mechanical Mixer and Special Blade Mixer for mortar.

Water require for various consistency. 1 liter of water per 25 kg bag.

Consistency	Dry Pack	Trowellable	Flowable
Liter	2.5 - 2.9	3.0 - 3.4	4.2 - 5.0

HOW TO APPLY:

Pour TESON-NSG Non-Shrinking Grout mixture into intended place. Use iron bar or similar device to remove trapped air. Avoiding trapping air and water by placing grout from one side only. TESON-NSG Non-Shrinking Grout can be placed with thickness range from 10-15cm/layer.

25 kg TESON-NSG can yield approximately 13 liters of fluid grout.

PACKAGING:

Available in 25 kg paper bag.

STORAGE & SHELF LIFE:

Store TESON-NSG Non-Shrinking Grout in cool and dry place with proper ventilated conditions. Unopened bags can be stored up to 12 months. Bags must be stored off on the floor.

SAFETY PRECAUTIONS:

TESON-NSG Non-Shrinking Grout is non-toxic, but contains cement. Use good and occupational health and safety practices to avoid personal contact. Recommended the use of dust masks, eye protection and wearing of gloves when handling this products. For more detailed and information can refer to product SDS.