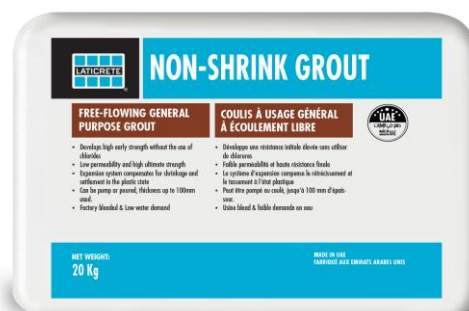




NON-SHRINK GROUT

Non-shrink grout is a blend of Portland cement, graded filler, and chemical additives that impart controlled expansion in the plastic state. The low water demand ensures high early strength. Can use this free-flowing general purpose grout for a gap thickness up to 100mm.



ADVANTAGES

- Develops high early strength without the use of chlorides
- Low permeability and high ultimate strength
- Expansion system compensates for shrinkage and settlement in the plastic state
- Adjustable consistency to suit the requirement.
- Chloride free for corrosion resistance
- No bleeding and segregation

MANUFACTURER

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USES

- It can use wherever essential to have high compressive strength and eliminate shrinkage when filling the void between a base plate.
- Use for anchoring a wide range of bolt and fence posts.
- Filling of rigid joints between elements in concrete and precast concrete structures.
- Filling cavities, tie-rods, recesses, bridging bearing pads in precast segment.

STANDARDS

ASTM C1107/C1107M-20,
BS 6319:Pt 3

Packaging

20kg bag; 72 bags per pallet

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year** if stored off the ground in a dry area.

** High humidity will reduce the shelf life of bagged product.

Limitations

- Surface temperature should be within specified range during the time of application.
- Grout should not be placed in any unrestrained situation. Avoid application during the hottest time of the day, and in direct sunlight.
- Keep equipment cool, use cool water at 20°C. Arrange for shade protection if necessary to avoid application under direct sunlight.
- Non-shrink grout should be removed from tools, equipment and mixer with clean water immediately

Cautions

Before using any product:

- Read and understand the Product Data Sheet and Material Safety Data Sheet
- Check www.laticrete.me for any technical bulletins or updated information about the product and its application.
- Contact your local Technical Sales Representative with any questions.
- Consult MSDS for more safety information
- Protect finished work from traffic until fully cured
- Contains portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Wear suitable protective clothing, gloves, eye protection to avoid irritation and inhalation. In case of contact with skin, rinse with plenty of clean water
- When mixed or become damp, release alkalis which can be harmful.
- Keep out of reach of children

TECHNICAL DATA

Properties

The following results were obtained at Water/Powder ratio = 0.18 at 25°C

Performance table as per ASTM C1107/1107M

Parameters	Test Method	Test Result
Fresh Wet Density	BSEN 12350-6	2.23 ± 0.02 kg/ltr
Early Height Change	ASTM C827	0 - 4%
Height Change of Hardened grout	ASTM C1090	0 - 0.3%
Compressive Strength, 1 day	ASTM C109	25 - 30 N/mm2
Compressive Strength, 3 days	ASTM C109	35 - 45 N/mm2
Compressive Strength, 7 days	ASTM C109	50 - 55 N/mm2
Compressive Strength, 28 days	ASTM C109	60 - 65 N/mm2
Flexural Strength, 28 days	BS 6319:Pt 3	10 - 15 N/mm2
Working time	-	45 mins

Specifications are subject to change without notification. Technical data shown in product data sheets and technical data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors.

INSTALLATION

Surface Preparation

All surfaces should be 5°C to 35°C during the application. In case the surface temperature is higher, wet frequently with cool water and provide temporary shade from direct sunlight. Clean the surface and remove any dust, unsound material, plaster, oil, grease, paint and roughen the surface by mechanical means. Oil and grease should be removed by steam cleaning, detergent scrubbing or use proprietary degreaser.

Mixing

Mix 20kg bag Non-shrink grout with recommended water as per required consistency. Place clean potable water into a clean pail. Add Non-Shrink grout powder. Mix in slow speed using a heavy-duty mixer for 3-5mins. The quantity of water requires to be adjusted to achieve the desired consistency below.

Pourable	3.2 -3.4 liters
Flowable	3.5 - 3.7 liters

The selected water should be accurately measured in to the mixer.

Application

Place the grout within 10 minutes of mixing. Non-shrink grout can be placed in thickness up to 100 mm in a single pour. It is essential to have sufficient grout prepared before starting; pouring should be on one side of the void to eliminate any air or presoaking water that gets trapped under the base plate. Where large volumes have to be placed may be pumped. A heavy-duty pump is recommended for this purpose.

Curing:

Should thoroughly cure the exposed area and be done using the continuous application of water and/or wet Hessian.

AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE Telephone: For on-line distributor information, visit www.laticrete.me

Cost

Contact a LATICRETE® closer distributor to obtain complete information and cost.

WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year.

Contact Technical Support for further information.

MAINTENANCE

LATICRETE® products are of high quality designed to achieve lasting installations and avoid maintenance, however performance and durability may depend on properly maintaining products, depending of the cleaning products used.

TECHNICAL SERVICES

Technical assistance

For information contact:
enquiry@laticrete.me

Technical and safety literature

To obtain technical and safety literature, please visit our website at www.laticrete.me

Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from theirs implementation. Those who want to use the LATICRETE® products must conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.