



# Non Shrink Grout (Anchoring)

**Eurotiles Non-Shrink Grout Anchoring** is a pre-mixed, cementitious, non-shrink high strength grout used for sealing and anchoring.

## USES

- Sealing of industrial equipment, construction of poles and columns, concrete rebar and bolts
- Anchoring of steel bars

- Underpinning works
- Assembly of prefabricated and pre-stressed concrete equipment
- Trench filling
- Concrete works
- Sealing concrete blocks/posts with micro-concrete

## ADVANTAGES

- Good workability
- High mechanical strength
- Easy to apply.

## TECHNICAL DATA

	Days	MPa	PSI
Compressive Strength: ASTM C109	7 days	60 - 63	8700 - 9100
	28 days	63 -66	9100 - 9600

### Dosage:

#### *Plastic consistency*

- Eurotiles Non-Shrink Grout Anchoring - 1 bag
- Water - 3.75 – 4.5 L
- Workable Mortar - 12 L
- Coverage 50mm thickness - 0.2 m<sup>2</sup>

#### *Micro-concrete*

- Eurotiles Non-Shrink Grout Anchoring - 1 bag
- 3/8 aggregate - 10 L
- Water - 4 – 4.5 L
- Workable Mortar - 20 L
- Coverage 50mm thickness - 0.4 m<sup>2</sup>

**Packaging:** 25 kg bag

**Storage:** 6 months (unopened container)

## HOW TO USE

### A. Substrate Preparation

- Using a chisel or any pointed tool, remove all loose and damaged concrete and laitance to obtain a clean surface.
- The substrate must be clean and sound, free from dust and without any trace of grease, oil, laitance or curing compound.
- Using a sponge or cloth, dampen the substrate before application.

### B. Mortar Preparation

- Combine Eurotiles Non-Shrink Anchoring Grout with clean water to obtain a slurry/mortar mixture.
- The required consistency depends on the quantity of water.
- Use the following mixing methods to achieve your required consistency.
  1. Mix with a machine or a hand mixer to achieve a flowable fluid consistency.
  2. Mix with a machine or a mechanical mixer to achieve a plastic consistency.
- Mixing time: 3 minutes (minimum)

### C. Grouting

1. Make sure that the formworks are appropriately sealed against leakages.
2. On the placement side, the forms should be constructed above the bottom of the plate to form a headbox. The headbox should be positioned at a minimum of 50 mm from the plate and slope away at an angle of 45° to assist grout placement as well as prevent air entrapment.
3. The form should be at least 50 mm away from the plate and should extend at least 25 mm from the bottom of the plate.
4. The formworks should be correctly oiled to avoid grout adhesion or use non-absorbent formworks.
5. Before placement, thoroughly wet all surfaces and make sure to remove all excess water before grout application.
6. Apply the mixed grout immediately before it hardens. Setting time may be hastened by higher temperatures.
7. To avoid air entrapment, pour the grout from one side only.
8. To be able to achieve a continuous flow, grout head must be well-maintained at all times.
9. Do not use a vibrator, it can cause the separation of ingredients.

## PRECAUTIONS

- Temperature range: 10°C – 35°C
- Avoid/ do not mix with other cement or hydraulic binders.
- Do not add sand or admixtures.
- Anticipate the need for expansion joints and respect the actual structural joints.
- For repairs, it is needed to chip off or remove loose or damaged concrete.

Disclaimer: Due to different working methods, the manufacturer is not liable for any damages and faulty outcomes arising from incorrect use of this product. Please follow the instructions mentioned above.

MADE IN TAIWAN

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