



**EUROTILES NON SHRINK GROUT ANCHORING 112** 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 rebars and bolts
- Anchoring of steel bars
- Underpinning works
- Assembly of pre-fabricated 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

Dosage	
<b>Plastic Consistency</b>	
• Eurotiles NSG Anchoring 112	25kg bag
• Water	4 liters
• Workable	12 liters
• Coverage (50mm thickness)	0.2m <sup>2</sup>
<b>Micro-concrete</b>	
• Eurotiles NSG Anchoring 112	25kg bag
• 3/8 aggregate	10 kg
• Water	4 - 4.5 liters
• Workable	20 liters
• Coverage (50mm thickness)	0.4m <sup>2</sup>
<b>Packaging</b>	25kg bag
<b>Storage</b>	cool, dry place
<b>Shelf life</b>	6 months (unopened bag)

	Days	mpa	psi
<b>Compressive Strength</b> ASTM C019	7	27.58-34.47	4000-5000
	28	41.37-48.26	6000-7000
<b>Bond strength by Pull-off Test</b> ASTM C1583	28	1	145

## 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

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- Combine Eurotiles Non-Shrink Grout Anchoring 112 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

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

## PRECAUTIONS

- Temperature range: 10°C – 35°C
- Avoid or 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.

**PRODUCT MADE IN THE PHILIPPINES**

## EUROTILES INDUSTRIAL CORPORATION

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