



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

	Days	mpa	psi
Compressive Strength ASTM C019	7	27.58-34.47	4000-5000
	28	41.37-48.26	6000-7000
Bond strength by Pull-off Test 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

- 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

- 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

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