



**EUROTILES STRUCTURAL REPAIR MORTAR 110** is a fiber-reinforced non-shrink mortar used for the repair of concrete structures and for the reinforcement of weakened structures with an application thickness of 2mm to 35mm.

## USES

- Repair of concrete surfaces: spalling, honeycombing, stairnosing, ramp, etc.
- Concrete restructuring: pillars, slabs, posts, dam aprons and spillways
- Reinforcement of weakened structures: balconies and cornices
- Treatment of chamfers and seams prior to waterproofing

## ADVANTAGES

- High mechanical strength
- Excellent resistance to sea water and sulphated water
- Semi-smooth finish
- Paintable after 24 hours depending on the atmospheric condition

## TECHNICAL DATA

	days	mpa	psi
<b>Bond strength by Pull-off Test</b> ASTM C1583	7	1.0	145
	28	1.2	174
<b>Compressive Strength</b> ASTM C019	7	27.58	4,000
	28	34.47	≥5,000

<b>Coverage</b>	Varies (depends on the thickness to be covered)
<b>Packaging</b>	25kg bag
<b>Storage</b>	cool, dry place
<b>Shelf life</b>	12 months (unopened bag)

## HOW TO USE

### A. Substrate Preparation

- Use a point tool or a chisel in removing loose and damaged concrete and laitance to obtain a clean and rough surface.
- Create space by inserting the product around and behind them by clearing out the concrete around corroded rebars.
- Clearly define the boundaries of the surface to be repaired.
- Remove all traces of oil and grease on the substrate.
- Remove all non-adherent rust by brushing, scraping and sandblasting the corroded rebars.
- Get rid of dust on the surface to be repaired.
- Dampen the surface prior to application.

## B. Product Preparation

- Mix one 25 kg bag of Eurotiles Structural Repair Mortar with 4.5 - 5 liters of clean water (18%-20% water content), mix thoroughly using a mixing machine for a minimum of 3 minutes until it is evenly distributed. Manual mixing is not advisable because it may result in uneven distribution.
- Workable time after mixing: approx. 45 minutes at 25°C.
- Do not add water during application.

## C. Application

- Using a stainless steel trowel, apply the first batch of Eurotiles Structural Repair Mortar press firmly onto the substrate to ensure bonding.
- Apply additional mortar layer by layer by using a spatula or a steel trowel, press firmly to obtain the desired overall thickness.
- Use a stainless steel trowel or rubber float in finishing the repaired surface.
- Eurotiles Structural Repair Mortar can be applied by using a machine spray for large surfaces.

## PRECAUTIONS

- Temperature range: 5°C to 35°C
- Chip the substrate before application
- Do not apply to a frozen or thawing substrate
- Active cracks must be treated separately
- Do not add hydraulic binders, cement, sand and/or admixtures

**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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