



# EURIPARE 504

CEMENTITIOUS POLYMERIC & FIBER REINFORCED MORTAR FOR CRACKS BETWEEN 30 MM - 60 MM

## DESCRIPTION

EURIPARE 504 is a high-performance, single-component repair mortar designed for vertical and overhead applications. It boasts a low shrinkage rate, ensuring minimal cracks during the curing process. With a grain size of up to 600 microns and a unique blend of polymers and fiber reinforcement, this mortar provides excellent structural integrity and durability for demanding repair projects. Whether for vertical or overhead repairs, EURIPARE 504 offers reliable and long-lasting results, making it an ideal choice for various repair applications.

## USES

EURIPARE 504 is a versatile repair mortar suitable for a wide range of applications. It is particularly well-suited for repairing major structural works, such as bridges and parking structures, where high-performance solutions are required. Additionally, its exceptional properties make it an excellent choice for vertical and overhead repairs, ensuring reliable and durable results in various construction and maintenance projects.

## ADVANTAGES

- Non-shrinking polymer modified and fiber reinforcement.
- Excellent workability for easy mixing.
- Reduces cracks.
- Controls shrinkage.
- Could be applied in thick, wide layers
- Fast setting time.

## MIXING

To achieve the best results, EURIPARE 504 should be mixed using a rapid mixer. For each 25 kg bag of EURIPARE 504, add 4.5 L - 5.25 L of water. Proper mixing ensures a consistent and workable mortar ready for application in your repair projects.

## TYPICAL PROPERTIES

Appearance	Grey Powder
Wet Density	Approx. 2.225 g/cm <sup>3</sup>
Recommended Thickness	30 mm - 60 mm
Compressive Strength in Compliance with (BS 6319, PART 2)	
@ 1 Day	14 MPa
@ 7 Days	21 Mpa
@ 28 Days	40 Mpa
Tensile Strength in Compliance with (BS 6319:1985, Part 7)	> 5 MPa
Flexural Strength in Compliance with (BS EN 1015, Part 11)	> 11 MPa
Initial Setting	7 Hours
Final setting	12 Hours
Application Temperature	5°C - 35°C
E-Modulus (BS EN 13412-07)	> 30,000 MPa

## APPLICATION

### Surface Preparation

To ensure effective repairs, proper surface preparation is crucial. Start by meticulously cleaning all concrete surfaces to eliminate any contaminants that could hinder adhesion. For crack repairs, clean the area surrounding the crack and remove any damaged portions, utilizing a metal brush to create a roughened surface for improved bonding. Before applying the repair mortar, ensure the cleaned area is adequately wetted with water. Maintaining a moist surface during application facilitates better adhesion and curing of the repair material. Following these steps will create an optimal foundation for successful and long-lasting repairs using EURIPARE 504.

note:

- Any damaged or weak concrete should be cut until reaching sound concrete, or to a minimum depth of at least 10 mm
- Corroded steel reinforcement should be grit blasted to remove all rust traces. In case of significant loss in the steel reinforcement cross section, the steel should be replaced. Remove all concrete form around exposed steel reinforcements by 10 mm thickness.

### **Application Instructions**

To start applying EURIPARE 504, it is crucial to achieve the desired mortar consistency through thorough mixing.

- Begin by blending the product with the minimum specified amount of water until it forms a workable mortar.
- If you encounter any difficulties with workability, take the time to remix the product thoroughly. This step ensures that the mortar is properly prepared
- for repair work, guaranteeing a smooth and efficient application process.
- By following these application instructions, you can achieve optimal results and perform effective repairs with EURIPARE 504.

### **CURING**

Proper curing is crucial, especially on exposed surfaces, particularly in dry and sunny conditions.

Failure to do so can lead to reduced bond, strength, and durability of the repair. After finishing the application, promptly apply a sealer/membrane to all exposed surfaces. Alternatively, other suitable curing methods should be used for at least 3 days to ensure the best results and long-lasting performance.

### **PACKAGING**

EURIPARE 504 is supplied in 25 kg bags.

### **STORAGE**

EURIPARE 504 should be stored and maintained away from direct sunlight and off the ground. Store it on pallets, protected from rainfall. Avoid excessive compaction, as it may damage the product or packaging. Failure to comply with these storage instructions can lead to premature deterioration.

The shelf life of EURIPARE 504 is 12 months from the date of production

### **HEALTH AND SAFETY**

For more information, please check the Material Safety Data Sheet.

### **CONTACT**

Al-Faiha for Engineering Products is the exclusive licensee manufacturer for ECA.

For more information, please contact us at [techsupport@alfaihaengineering.com](mailto:techsupport@alfaihaengineering.com).

### **DISCLAIMER**

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