

**asiam**MORTAR  
Deliver Solutions

## R-CRETE 308

### DESCRIPTION

R-CRETE 308 is a ready for use shrinkage-compensated, polymer modified cement based repair mortar that has to be simply added with water, it provides rheoplastic and non-sagging mortars. R-CRETE 308 is ready to use non shrink, sulphate resisting, repair mortar. It can be either sprayed or trowelled.

### USES

It is designed for both horizontal and vertical repairs. It is used in coastal structures, overhead repairs to concrete, profiling, infilling, cosmetic repairs to precast concrete, and medium duty repairs for concrete floors.

### ADVANTAGES

- Premixed and Prepacked for accuracy and consistency.
- Simply add water to use.
- High resistant to sea water.
- Easy application properties.
- Low water permeability.
- Shrinkage compensated.
- High bond strength to prepared concrete surfaces.
- Good workability of the mortar enables overhead application in thicker layer possible.

### METHOD OF USE

#### Surface Preparation

All surfaces must be clean and sound. Remove all surface laitance by acid etching, grinding, needle gunning or grit blasting ensuring all dust and debris are removed. All surfaces should be thoroughly wetted before starting and be in a moist condition during placing. Repair areas should be cut back with square edges. Any free surfaces water must be removed before application.

#### Mixing

For mixing of large volume, half of the measured water should be poured into the mixer or container. Gradually add R-CRETE 308 in the mixer or container. When bag is completely emptied, pour the remaining measured water into the mix. Care should be taken to ensure that R-CRETE 308 is well mixed and without lumps prior to usage. Alternatively this operation may be carried out in a pan mixer. For smaller quantities of 10kg or less, it can be mix manually in a bucket. Ensure all mixing is through of which the mortar should be cohesive and free from lumps.

#### Application

R-CRETE 308 remains workable for 30 minutes after mixing. It should be pressed into place using gloved hands or a trowel and be well compacted with the face of a wooden or steel float. For fine finishing, use a steel float to achieve the desired profile and surface.

## For Floor patching

For maximum adhesion, ensure the hole is clean, free from debris and has a rough surface. Also ensure the hole is wetted thoroughly but without leaving excess surface water. Compact well into the hole in several layers.

## For Vertical repair

Prepare surface properly as mentioned above. Mix product to puffy consistency. Place mortar immediately onto the area using a steel float and trowel. Applications greater than 50mm thick, repairs should be placed in layers, scratching the surface to aid in adhesion. Additional layers can be built up on subsequent days if required.

## Curing

Good curing is essential on all exposed surfaces, particularly under dry or sunny conditions. Failure to do so will affect bond strength and durability. After finishing, apply a coat of FLEXICURE 102 to all exposed surfaces or cure by other alternative methods of curing.

## HANDLING

R-CRETE 308 is non-hazardous, but wear protective clothing. During windy conditions wear a filter mask to avoid inhaling dust. Remove splashes from skin with water. In case of eye contact, wash copiously with water. If irritation persists, seek immediate medical attention.

SPECIFICATIONS	
Water Powder Ratio	0.18 (or 4.5 litres of water per 25kg bag)
Consistency	Thixotropic Mortar
Setting Time - Initial	> 4 hours (ASTM C953:1987)
Compressive Strength	
3 days	15 N/mm <sup>2</sup> (ASTM C109:1992)
7 days	30 N/mm <sup>2</sup> (BS 6319)
28 days	40 N/mm <sup>2</sup> (BS 6319)
Tensile Strength	4.5 N/mm <sup>2</sup> (BS 6319)
Bond Strength	2.0 N/mm <sup>2</sup> (ASTM C190)
Sulphate Resistance	No Degradation (ASTM C88)

## CONSUMPTION

A bag of R-CRETE 308 will yield 0.0156 m<sup>3</sup> of R-Crete 308 mix.

## PACKAGING

R-CRETE 308 comes in 25kg bag.

## SHELF LIFE

If stored in a cool and dry place, the shelf life of R-CRETE 308 is approximately 6 months in unopened bags and containers.

## Asia Mortar

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