



FASTSET C

Fast setting repair mortar for concrete pavements and floors

DESCRIPTION:

Fastset C is a pre-packed cementitious mortar specifically formulated for the quick and reliable repair of damaged concrete pavements and industrial floors. The specially selected cements and hard wearing aggregates contained in Fastset C allows the application of large areas with exceptional adhesion to concrete and masonry materials with negligible shrinkage.

Fastset C may be used as a trafficable topping for existing concrete surfaces.

ADVANTAGES

- Good adhesion
- High Strength
- Easy application
- Durable
- Accepts pedestrian and vehicular traffic

TYPICAL PROPERTIES

Set Times @ 20°C

Initial	125 minutes
Final	230 minutes
Compressive Strength	
1 day	30 MPa
7 days	50 MPa
28 days	55 MPa
Trafficking Time	
Pedestrian	24 hours
Light Vehicles	48 hours
Minimum application depth	12mm
Maximum application	50mm

APPLICATION INSTRUCTION

Preparation

All contacted surfaces must be free of oil, grease or other contamination which may inhibit bond. Any cracked or weakened concrete should be removed prior to being repaired to provide a solid foundation. Scabbling or water blasting should be used to remove laitance and provide a mechanical key

The repair area should be carefully delineated. minimum application depth of 12mm is required. This may necessitate saw cutting and breaking out some material to ensure feather edging does not occur.

Priming

Priming with Rendergrip A is essential to ensure good adhesion and optimum build. Where the substrate is very porous pre-dampening with water may be required. Free water on the surface will reduce the bond and ultimate strength.

Mixing

Fastset C is suitable for mixing using a drill and suitable paddle or by hand where only a small quantity is required. Use 1.6 - 1.8 litres of water per bag of Fastset C to achieve a smooth, soft mortar consistency. Excess water will reduce the final strength and make application of the screed more difficult. Always add the powder to the water while mixing slowly to avoid lumps. Only mix that quantity of material that can be used within the setting time. Do not attempt to rework or re-temper any partially set product.

Application

Apply the mixed Fastset C to the substrate using a trowel to give the required finished thickness. The maximum thickness applied in any application should be limited to 50 mm. Feather edging should be avoided in patch repairs by saw cutting the edge of repairs to a depth of 12mm.

Curing

The application of a thin coat of Rendergrip A as a curing membrane will reduce premature drying in repairs.

Where repairs are subject to direct sun or strong winds the use of Curecon PW is recommended.



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CLEAN UP

Clean all equipment with water immediately after use. Cured Fastset C can only be removed by mechanical means

ESTIMATING

Packaging

Fastset C is supplied in 20kg bags, Rendergrip A is supplied in 5 and 20 litre containers.

Estimating Data

A 20 kg bag of Fastset C will cover approximately 1.0 m² at an average thickness of 10mm.

Rendergrip A is used at 5 to 7 m² per litre. A scabbled surface will reduce the area covered by the primer and topping.

PRECAUTIONS

Where temperatures less than 5°C or greater than 35°C are encountered, contact our Technical Staff for specific advice.

Do not attempt to re-temper partially set product. Heavy rain occurring before initial set may damage the surface of Fastset C. Where rain is expected, exposed Fastset C should be protected

STORAGE

Fastset C is a cement based product which must be stored in a dry area off the ground. Fastset C should be used within 12 months of date of manufacture.

HEALTH AND SAFETY

Fastset C is non-toxic, but it is alkaline in nature. Any contact with eyes or skin should be washed off with clean water. Protective gloves and clothing should be worn during preparation, mixing and application.

For more detailed information, please read the SDS for this product.

TECHNICAL SUPPORT

Aftek manufactures a comprehensive range of high quality, high performance construction products. In addition, Aftek offers technical support and on-site advice to specifiers, end users and contractors.

Please contact your Aftek sales representative or Aftek Head Office for this service

ALLIED PRODUCTS

Aftek manufactures a broad range of products under the Aftek brand, which are used in the construction industry and in manufacturing, including:

- Grouts
- Coatings
- Admixtures
- Adhesives
- Sealants
- Floor Toppings
- Floor Levelling Compounds
- Concrete Repair
- Concrete Curing



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