

Fibrocem High Performance Moulding and Casting Systems

Fibrocem High Performance Moulding and Casting Systems are used to create both small and large castings for exterior use. It may be used in conjunction with Fibrocem High Impact Render.



General information

Fibrocem High Performance Moulding and Casting Systems have exceptional compressive and flexural strength. Production is optimised by rapid setting and strength gain and the mouldings are extremely durable with high structural integrity and impact resistance. In addition the mouldings have excellent resistance to atmospheric pollution.

Fibrocem High Performance Moulding and Casting Systems allows mouldings with intricate detail to be cast. Unpainted mouldings will have an appearance similar to Portland stone.

Fibrocem High Performance Moulding and Casting Systems are a high performance casting composite composed of a shrink compensated cement blend, alkali-resistant zirconium chopped glass fibres, graded aggregate and chemical additives. It is designed for casting mouldings for both new and refurbishment work.

Fibrocem High Performance Moulding and Casting Systems are supplied as a blended powder requiring only the addition of clean water prior to application.

Method Statements are available for standard applications.

Fibrocem High Performance Moulding and Casting Systems Range

Fibrocem Casting Pre-Coat
A fibre free preparation coat

Fibrocem Casting

The primary casting material

Fibrocem Filler

Filler for general repair work



Fibrocem Fast Filler

Shrink compensated filler for repairing small cracks.

Specification

When using open moulds the mould surface should be coated with a thin cream consistency slurry of Fibrocem High Performance Moulding and Casting Systems Pre-Coat to aid the production of a smooth surface. The setting time of Fibrocem Casting Pre-Coat is approximately 20 minutes at average temperatures, therefore, the slurry should be mixed and placed as quickly as possible.

Mix Fibrocem High Performance Moulding and Casting Systems to the same consistency as Fibrocem High Performance Moulding and Casting Systems Pre-Coat and fill the mould as soon as the Fibrocem Casting Pre-Coat begins to set. Consolidate the moulding by compaction and allow the moulding to set. Under most conditions it will be possible to break and refill the mould within three hours.

The setting time of Fibrocem High Performance Moulding and Casting Systems is dependant on mass and therefore thin layers and small mouldings will set quicker than larger mouldings. In very cold weather it is advisable to warm the gauging water. Do not use chemical accelerators and do not cast when the temperature of the material, air or water is less than 10oC.

Curing

It is essential that newly cast mouldings are prevented from drying out too rapidly. Adequate curing will be ensured by wrapping in polythene sheeting for at least two days. Cure temperatures should be at least 10oC.

Size and Weight

There is little constraint on the size of Fibrocem High Performance Moulding and Casting Systems mouldings, this is usually governed by the site conditions and handling equipment available. Calculations should be based on a dry weight of approximately 2000 kg/m³.

Application

Fibrocem High Performance Moulding and Casting Systems are usually cast in workshop conditions. It is however possible to run cornice mouldings or similar in-situ.

A suitable mask must be worn during the mixing process.

Availability

Fibrocem High Performance Moulding and Casting Systems are available in 25 kg bags throughout the United Kingdom. Bags are delivered on pallets, 1.2 x 1.0m, 40 bags per pallet. A full pallet weighs 1 tonne.

Conditions of Use

Colour tone and texture appearance can vary naturally according to product nature, substrate, surface finish and orientation. In accordance with good site practice a sample trial panel must be completed onto the required substrates to ensure that texture and finish are to the requirements and satisfaction of the client prior to commencing full application. The final finish quality of this material will depend upon the operative having the required skills and a familiarity with the material and its application methods.

Fibrocem cannot be held responsible where workmanship has not been carried out in accordance with good practice.

Health and Safety

Contact between cement powder and body fluids (eg sweat and eye fluids) may cause irritation, dermatitis or burns. Cement is classified as an irritant under the Chemicals (Hazard Information and Packaging) Regulations. For further information refer to the Fibrocem High Performance Moulding and Casting Systems Health and Safety Information Sheet.

The diameter of the glass fibres is greater than the respirable range of 3 microns or less. Some minor skin irritation can be experienced if the fibres are handled directly.



For further information:

FIBROCEM LTD. Wetherby Group of Companies, Dalton Industrial Estate, Dalton, North Yorkshire, YO7 3HE.

Telephone: **01845 578555**

Facsimile: **01845 578777**

Email: **info@fibrocem.com**

Web: **www.fibrocem.com**