

# CemForce Datasheet

November 2017

Page 1 of 1

**CemForce** is an open textured reinforcing (4mm x 4mm) mesh fabric made of polypropylene strands and fibres. It was designed for use with cement matrices. It is totally inert to the alkalinity of cement and has an extended fibrous interface area with which the cement matrix can interact and mechanically bond. The Cemcrete mixes are specially formulated to form part of the **CemForce**, similar to fibreglass and resin.

## Purpose

To provide a reinforcing system for cement matrices that allow special cement blends to be applied thinner than normal. Successive layers of **CemForce** and matrix can be built up to obtain any required shell thickness.

## Applications

**CemForce** can be used with Cemcrete matrices to patch spalled concrete, if re-bar corrosion is involved, it must be dealt with before covering with **CemForce**. **CemForce** can also be used in concrete toppings and plasters and as reinforcing for panels. The **CemForce** in Cemcrete matrices can be used for additional thickening layers.

CemLam is a multi-layered waterproof substrate for lining earth dams, ponds and furrows.

## Types

One type only but can be used with CemLam, dependant on strength and application required. The strength of **CemForce** is typically 2000kg/metre of width, has a mass of 125 grams/m<sup>2</sup> and moulds to a thickness of 1 - 2mm. The polypropylene fibre content in a mix is therefore 6,25 - 12,5kg/m<sup>3</sup> against typically 1kg/m<sup>3</sup> loose fibre that could be mixed in.

## Packaging

**CemForce** is available in 1m, cut to short lengths or full rolls of approximately 500m.

## NB

**CemForce** is made from polypropylene and must not be left exposed to UV Light for extended periods of time. Cemcrete cement mixes provide 100% UV screening.

## Cement matrices

Vary depending on application.

## Manufacturer's Warranty

Cemcrete warrants that the products manufactured by it shall be free from material defects and will be consistent with its normal high quality. Should any of the products be proven defective, the liability to Cemcrete shall be limited to replacement of the product ex-factory. Cemcrete makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties expressed or implied. The user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith.

Cemcrete provides a comprehensive technical service based on over 4 decades of experience in the field of surface applications and cement technology. Cemcrete believes, to the best of its knowledge, that the information contained herein is true and accurate at the date of issuance and is subject to change without prior notice. For further clarification of these instructions, contact Cemcrete.