

TexCrete Lite Datasheet

November 2017

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A thixotropic, quick setting, light weight, enhanced fibre cement blend, to be mixed with a solution of FlexBond, a liquid additive, for the saturation and impregnation of CemForce forming a reinforced product of about 4-8 mm in thickness.

Technical Data

Type	A thixotropic, quick setting, enhanced fibre-cement blend
Colour	Bone
Pot life	45 minutes
Working time after mixing	30 minutes
Demoulding time	± 24 hours depending on relative humidity
Abrasive resistance	Excellent, once fully cured
Mixing water temperature	15°C to 25°C
Application temperature (ambient)	6°C to 25°C
Substrate temperature	6°C to 25°C
Min application thickness	4mm reinforced with Cemforce or fibre mesh
Max application thickness	8mm reinforced with Cemforce or fibre mesh
Density	
Protection during application	Wind and sun barriers (no direct contact with material)

Purpose

For the moulding of small and large light weight intricate castings where fine surface definition is required.

Benefits

- Ideal for castings where definition is required
- Rapid setting
- Gains early strength
- Easy to seal or colour
- Lightweight

Limitations

Will not stick to plastic, rubber or gypsum plaster. Do not use if freezing conditions are expected within 12 hours.

Applications

Rock features, pots, ponds, ornaments, small castings, etc.

Site Work

Storage

Keep bags off the floor on slats in a dry cool place way from direct sunlight. Expected shelf life under dry conditions is 6 months after date of invoice.

Weather

Do not use if freezing conditions are expected within 24hours.

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Surface preparation

Mould surfaces should be clean and if necessary lightly oiled.

Mixing

Dilute one volume FlexBond with five volumes clean water and use this solution to mix **TexCrete Lite**. To the required consistency, you may need to add a little more water.

Application

The bigger the article to be moulded the more reinforcing required. Although **TexCrete Lite** is heavily fibred, these fibres are not for strength of article but rather for surface cracking and crazing.

Apply a thick layer directly onto mould surface, immediately bed a layer of CemForce or glass fibre mesh, dab into **TexCrete Lite**, apply further layers within 30 minutes of previous layer. Number of layers of membrane would depend on thickness and strength required. Allow to harden sufficiently before attempting to de-mould. Time depends entirely on mixing and temperature. Allow to harden sufficiently before attempting to de-mould.

Time depends entirely on mixing and temperature, but would typically be approximately 24 hours. **TexCrete Lite** can also be applied onto a layer of CemForce to create positive work, instead of casting into moulds.

Curing

While **TexCrete Lite** attains very high early set for de-moulding, overall strength is only achieved by curing by wetting with clean water. First allow work to completely dry out before immersing or wetting down with water. The longer the wetting is carried out the better the strengths achieved.

Finishing

There are a variety of ways to finish completed castings. Leave as is or most appealing, is by staining with Cemcrete's CreteStain, available in various colours. A CreteStain datasheet is available on request.

Sealing

Final surface can be treated by sealing with a dilution of one volume raw linseed oil and two volumes turpentine. When dry, the surface can be polished using CreteCare Polish or Mop & Shine. This sealing method is suitable only for articles that will be kept indoors. Surfaces can also be sealed using Cemcrete's Colour Hardener Sealer in accordance with its datasheet. These articles would be suitable for outdoor use.

Coverage

20kg **Texcrete Lite** covers approximately 5m² @ 5mm thick with two layers of CemForce with approx 9-10 litres of solution.

1,5 litre Flexbond concentrate per 20kg sack **TexCrete Lite** (mix 1 litre concentrate to 5 water and use this solution for mixing **TexCrete Lite** instead of water).

Safety

The use of protective clothing, goggles and dust masks is recommended even though **TexCrete Lite** is non-toxic.

- Skin contact: Wash thoroughly with soap and water.
- Eye contact: Flush immediately with water for 10 to 15 minutes and contact a physician.
- Respiratory problems: Remove affected person to fresh air immediately and contact a physician.
- Not for internal consumption.

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Packaging

Packed in 20kg non-returnable paper sacks.

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.

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