TRACKCRETE

Product Data Sheet

Description

TRACKCRETE is an environmentally friendly, fast setting and hard-wearing repair concrete with rapid strength gain, suitable for horizontal installation up to any thickness from a **minimum of 35mm**. The product consists of a blend of Natural Cement binder, retarder and specially selected graded aggregates all passing a 6mm sieve.

TRACKCRETE is suitable for the following applications:

- Concrete repair
- Industrial floor repairs
- Screeds
- Grouting
- Void filling
- Securing street furniture
- Forming access ramps
- Coastal applications
- Suitable for use underwater
- General repairs and construction

Properties

- Fast set
- Rapid strength gain
- Only requires water
- Sulphate resistant
- Resistant to chloride penetration
- High chemical resistance
- Sets underwater
- Can be used down to 0°c
- Environmentally friendly
- Very low shrinkage
- High compressive strength
- Fast cure, can be over-coated one hour after set

Yield & Coverage

Generally, 1 x 25kg bag of TRACKCRETE mixed with 2 litres of water will produce **12 litres** of finished concrete.

Setting Time & Strength Gain

Start Set **End Set**	**30 Min** **35 Min**	**at 20°c** **at 20°c**
	Flexural Strength (Mpa)	Compressive Strength (Mpa)
3 Hours 24 Hours 7 Days 28 Days	 6 7 9	16 34 61 72
Strength continues to develop thereafter.		

Setting Times

TRACKCRETE is designed to **commence setting at 30 minutes and finish setting at 35 minutes** at 20°C. In winter, TRACKCRETE can be used down to 0°C. The set will be slower but can be accelerated by using warm water. In hot temperatures, the set will be faster and can be slowed by using cold water or NATCEM® SETTING RETARDER (see separate product data sheet).

TRACKCRETE

Method of use

Preparation

Do not use on frozen or overheated substrates (0°–30°). Prepare the surface in advance, ensuring it is well roughened to provide an adequate key. Any adhesion-reducing substances such as oil, paint, bitumen, grease or laitance must be removed by suitable means. The surface to which the TRACKCRETE is applied should be clean, free from dust and thoroughly dampened.

Mixing

Each bag of TRACKCRETE should be mixed with between **2 and 2.25 litres of water.** For optimum results, mix using conventional mixing machines. Always place the water in the mixer or mixing container and add the powder. Gradually add the TRACKCRETE to **2 litres** of clean water per bag whilst continuously mixing the material. If one bag or less is to be used, the TRACKCRETE can be mixed with a Rose Bud type paddle attached to an electric drill (900 rpm, 1000w). Mix vigorously for at least 2 minutes after adding all the mixture to the water.

TRACKCRETE is designed to give a fluid mix but this only develops after sufficient mixing. The mix will appear dry at first. Continue mixing until fluidity develops. If greater fluidity is required, more water up to a total of **2.25 litres** may be used. Exceeding this ratio will lead to lower early strength, longer setting time and the risk of surface cracking appearing.

Priming

There is no need to prime any exposed reinforcement but if priming is preferred, a conventional system may be used.

Placing

After mixing, apply the material as quickly as possible using traditional tools. **A 35mm minimum thickness** of the material is always necessary. Do not apply additional water to the surface during finishing as this may cause surface cracking. Once the setting has started, DO NOT attempt to remix or to smooth the surface. This will cause the mechanical properties, in particular strength and adhesion to be lost.

Precautions & Storage

We strongly recommend the use of GLOVES, GOGGLES and MASKS. Full details are provided in the Safety Data Sheet. Clean all tools with water immediately after use.

TRACKCRETE is packaged in a polythene inner bag with a resealable tie within a stitch-sealed woven polypropylene outer bag that should be stored in dry conditions and will last for at least twelve months.

Scan to see Demonstration Video:

www.naturalcement.co.uk

ISO 9001 QUALITY MANAGEMENT

ISO 45001 HEALTH & SAFETY MANAGEMENT

ISO 14001 ENVIRONMENTAL MANAGEMENT

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