



# New Guard Coatings Group

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This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

[www.newguardcoatings.com](http://www.newguardcoatings.com)

NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND



# TRACKCRETE

## Description

TRACKCRETE is a fast setting and curing rapid strength concrete that is resistant to chloride penetration consisting of a blend of natural cement based binder, specially selected dried graded aggregates and food grade retarders.

## Uses

- Repairs to concrete crossings and slab track
- Repairs to concrete bridge deck
- Securing traffic lights
- Security rails and street furniture
- Casting of bridge decks
- Work around the sea
- Repairs to sewers
- Where the resistance to chemicals and sea water is required.

## Properties

- Excellent adhesion
- Low shrinkage
- Low modules of elasticity, which make it very effective on poor or friable substrates
- Excellent resistance to pure water & sulphated water
- Excellent resistance to aggressive chemicals
- Very good cohesion and mixing
- Fine compact surface
- No curing necessary. It can be coated, covered or painted as soon as setting is complete
- Can be used in wet conditions
- Can be used under water
- Fast setting
- High early strength.



# TRACKCRETE

## Method of use

### Preparing the surface

Do not use on frozen or over heated substrates (outside the range of 0°C-30°C). Prepare the surface in advance to provide an adequate key. It should be clean, free from dust and thoroughly dampened. Where necessary steel or aluminium mesh can be used. Ensure that a 35mm minimum thickness of material is obtained.

### Priming

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

### Mixing

For optimum results mix using conventional mixing machines. To no more than 2 litres of clean water per bag, gradually add whilst mixing the TRACKCRETE. If one bag or less is to be used it can be mixed with a rose bud type paddle attached to an electric drill (900rpm, 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 2.25 litres may be used. Exceeding this ratio will lead to lower strength, longer setting time and the risk of surface cracking. In cold weather the set can be accelerated using warm water, likewise in hot weather cold water can be used to slow down the set.

## Application

### General

Place the material as quickly as possible after mixing 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 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.

### Concrete repairs

Remove all loose material from the concrete and the reinforcement. It is only necessary to remove the loose rust from the reinforcement. Prepare the surface as described previously. Fix any necessary replacement reinforcement and formwork. Well dampen the surface with water ensuring there is no standing water. Mix the material and apply as previously recommended ensuring that the TRACKCRETE is worked around the reinforcement. Protect the surface from direct sunlight or wind until setting has completed.

### 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 very hot temperatures the set will be faster and can be slowed by using cold water.

### Cleaning

TRACKCRETE should be removed from tools and equipment with water immediately after use.

### Storage

TRACKCRETE is packaged in a 25kg polythene inner bag with a re-sealable tie inside a stitch sealed woven polypropylene outer bag that should be stored in dry conditions and will remain usable for at least twelve months.

### Yield

Generally 1 x 25kg bag of TRACKCRETE mixed with 2 litres of water will produce approximately 10 litres of concrete.

### How to specify

TRACKCRETE shall be mixed and applied to prepared surfaces all strictly in accordance with the manufacturer's instructions.

### Precautions

We strongly recommend the use of GLOVES, GOGGLES and MASK. Please see MSDS sheet for full details.

### Setting time & strength gain

Start Set	30 Min	at 20°C
End Set	35 Min	at 20°C
		Compressive Strength (Mpa)
3 Hours		16
24 Hours		35
7 Days		62
28 Days		73
Strength continues to develop thereafter.		



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