

EMTEK




CONSTRUCTION MATERIALS

# 3 Steps To Avoid That Sinking Feeling...

Helping You Build A  
**Stronger Infrastructure**

**ULTRA**<sup>®</sup>  
**CRETE**



A photograph showing a metal grate set into a road surface. The grate is significantly sunken, and the surrounding asphalt is cracked and uneven. A blue car bumper is visible at the top of the frame, partially obscuring the top of the grate. The text is overlaid on the left side of the image.

We all know the frustration, cost and hassle of driving over sunken carriageway ironwork. Check out our simple guide to solving this common problem.

**Detailed research carried out on behalf of the Highways Agency in 2002 identified the bedding mortar as the primary point of failure for carriageway ironwork.**

This led to a specification for high performance bedding mortar being required on all carriageway ironwork.

Known today as CD534 for NI and Series 500 for ROI, it requires mortars to achieve the following in 3 hours.

Workability time - 15 mins  
Compressive Strength 30N/mm<sup>2</sup>  
Tensile Strength 5N/mm<sup>2</sup>

Achieving these properties is very difficult, but we've cracked it!



# High Performance Bedding Mortar



Emtek Envirobed



Select Emtex Envirobed to bed your frame and cover on. This will exceed CD534 requirements, providing world-class compressive, tensile and flexural strength.

- 53N/mm<sup>2</sup> compressive strength in 3 hours
- 6.10N/mm<sup>2</sup> tensile strength in 3 hours
- 12N/mm<sup>2</sup> flexural strength in 3 hours
- Set time: 30 minutes
- Workability: 15 mins



Emtek Envirobed is red in colour, making it easy to identify and audit your network.



Ensuring the backfill around your reinstatement is compacted, solid and secure is essential to the longevity of the reinstatement.

**We've been pioneering best practice backfill techniques and solutions for over 25 years.**

By adding a shrinkage compensated, ultra-high strength, very rapid setting flowable concrete gives you the assurance and confidence to know your backfill is robust and ready to receive the wearing course.



# Rapid Strength Backfill Concrete



Emtek QC10F

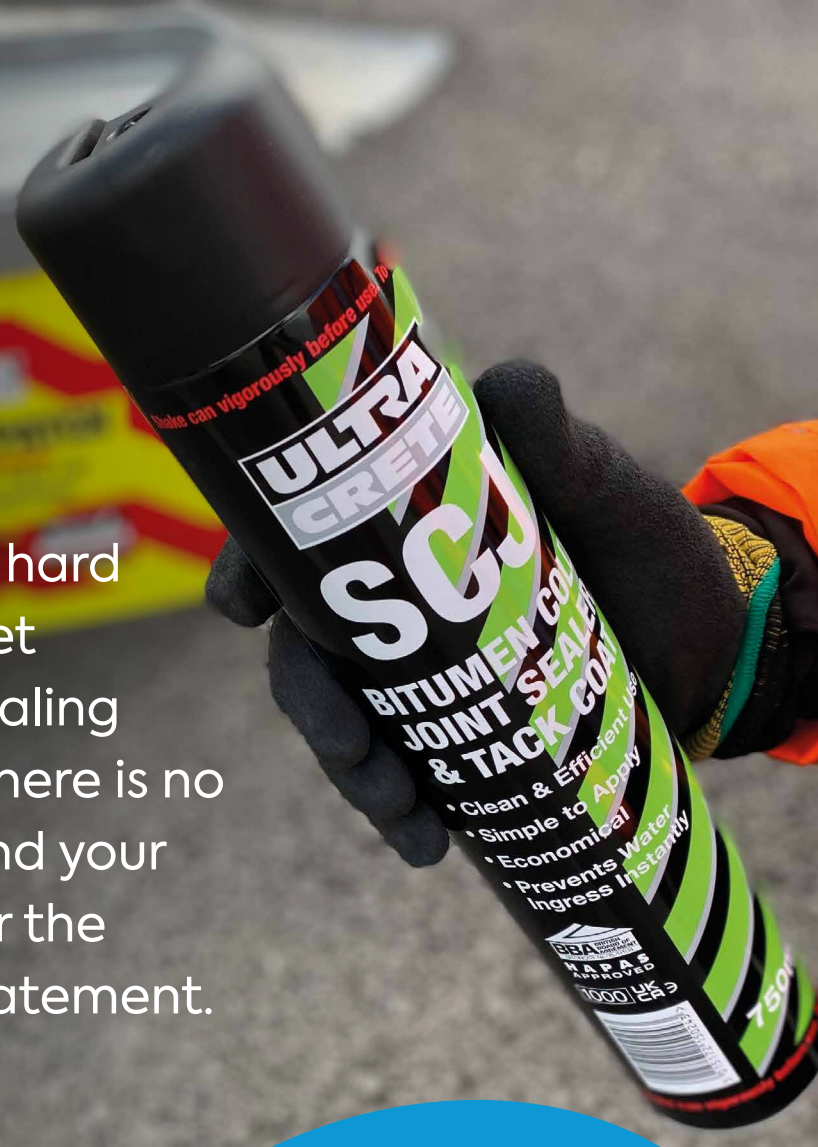


Emtek QC10F is a high flow, rapid strength concrete, creating a secure backfill to support and lock in the frame and cover. This provides a bulletproof backfill to enable the wearing course to be applied.

- Workability time: 5-10 minutes
- Rapid set time: 10-20 minutes
- 20N/mm<sup>2</sup> compressive strength in 2 hours
- HAPAS approved since 2005



Emtek QC10F is easy to mix and apply. It's rapid setting to get the job completed quickly.

A hand wearing a black glove holds a black spray can of Ultra-Crete SC-30 Bitumen Coating, Joint Sealer & Tack Coat. The can has green and white text and a green and white striped pattern. The background is a blurred construction site with a yellow and red warning sign.

You've done all the hard work, so don't forget the crucial edge sealing process to ensure there is no water ingress around your frame and cover, or the edge of your reinstatement.

**The days of brushing on a bitumen emulsion or pouring liquid hot-pour tar are gone.**

The latest technology and most environmentally friendly technique is with spray-applied bitumen.



# Bitumen Edge Sealer



Emtek SCJ



Sealing the vertical edges of all the joints with Emtek SCJ is crucial in preventing water ingress prior to wearing course application. This prevents the deterioration from any freeze-thaw effect throughout the year. Supplied in a super-handly, spray-applied tin, Emtek SCJ makes the process fast and easy.

- Can be used in all weathers
- Simple and economical to apply
- No waste
- Coverage: 10 linear metres, based on width of 60mm and 2mm thickness



Emtek SCJ allows you to seal the vertical edges, fast!



# Wearing Course

Emtek provide a range of high quality cold lay wearing course materials: Tough Patch and Instant Road Repair.



Tough Patch



Emtek Tough Patch is rapid curing, permanent cold-lay surfacing material suitable for defect repairs, potholes, trench reinstatement, utility installations, patching in car parks, driveways and other local repairs.

- First-time permanent
- Instantly trafficable
- Minimal traffic management, labour and waste





Our third-party accredited cold lay materials are a suitable alternative to traditional hot lay wearing course materials.

#### Instant Road Repair



Emtek Instant Road Repair is designed for permanent asphalt repairs in footways, footpaths and cycle tracks. It gained HAPAS approval in 2002, and is instantly trafficable causing minimal disruption to pedestrians.

- Suitable for planned & reactive repairs
- Can be used in all weathers
- Depth: 15-100mm
- Reusable tubs – no waste







To avoid  
that sinking  
feeling,  
arrange a **FREE**  
demo & we'll  
show you how  
this works.

We provide product training on  
the best mix & application of  
our materials to clients across  
Ireland every week. Book your  
Demo today and we'll help you  
build better, faster, stronger!

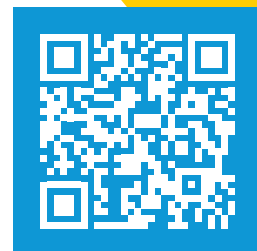


[Book a Demo](#)





Our experienced team are committed to delivering great products and excellent service across Ireland.

Get a Quote

We're with you every step of the way.  
Book your demo or request a quote today.





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Book a Demo

CONSTRUCTION MATERIALS

Helping you build  
**Better  
Faster  
Stronger**



Mortars



Envirobed Standard Red    Envirobed Flowable Red    M60F    M90

Concretes



QC10F    RSC    Postfix    Super Fix

Wearing Course



IRR    Tough Patch

Ancillaries



SCJ    Instaband Eco    Instalene    Creter Bags

Specialist Repairs



Instagrip    HF    Flow Fix    PV4 Polyester Resin Mortar

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