

How can we make our roads and walkways safer in all weathers?



Winter-related accidents cost the UK millions of pounds annually through deaths, serious injuries, traffic delays and disruptions. It is estimated that each fatal accident costs central government around £1.8 million.

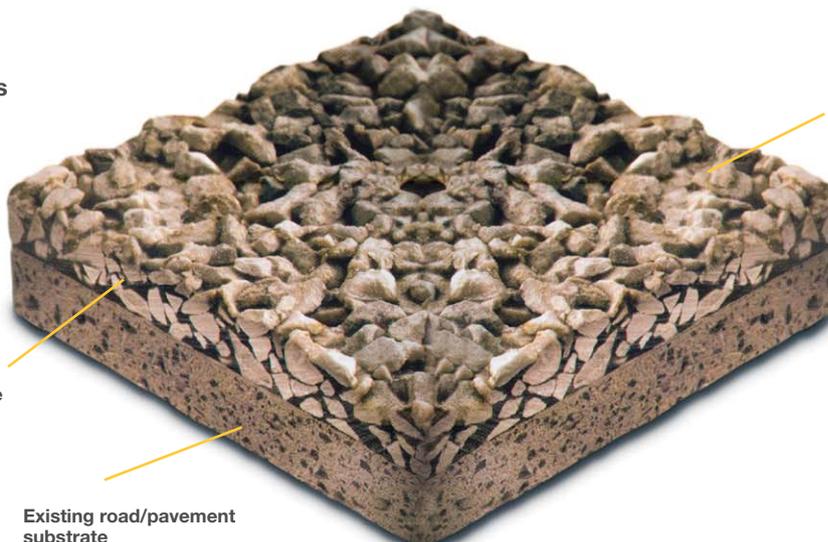
SafeLane® patented polymer surface overlay system

The safety benefits

- ✓ Prevents ice and snow from bonding to road/pedestrian surfaces
- ✓ Contains anti-skid properties providing traction in all weather conditions
- ✓ Helps reduce formation of frost and black ice

The epoxy overlay not only protects the surface from trafficking, it reduces the effects of chloride and water intrusion

Existing road/pavement substrate



By applying the SafeLane® surface overlay to road/pedestrian areas prone to icing, heavy snowfall or rainfall, you could dramatically reduce the risk of accidents.



Illustration shows the road treated with SafeLane® on the left is clear after light snow accumulation

SafeLane® overlay systems unique aggregate stores de-icer, it automatically releases it before dangerous frost and ice can form, (Illustration shows the road treated with SafeLane® on the right is clear after light snow accumulation)

SafeLane®
surface overlay

How it works

SafeLane® surface overlay was developed after 10 years of study by experts in snow and ice research at Michigan Technology University.

The aggregate used in the overlay surface acts like a sponge. The de-icing chemical sinks deep into the pores of the surface overlay and is released slowly when the temperature falls below a certain level (1°C).

This effectively means that the surface is being de-iced before the gritters even get there. On a normal road/pedestrian surface the chemical tends to get washed away either by rain or traffic.

It's a longer lasting, long term solution to road and pavement maintenance – with safety, cost and environmental benefits.

Potential application sites

- ✓ Bridges and overpasses
- ✓ Dangerous junctions, bends or stretches of road, known accident blackspots
- ✓ Entry and exit slip roads
- ✓ Approaches to toll barriers
- ✓ Parking areas
- ✓ Pavements/pedestrian crossings
- ✓ Cycleways
- ✓ Public transportation boarding areas
- ✓ Loading bays
- ✓ Railway platforms

The cost and environmental benefits

- ✓ Two-component epoxy polymer acts as an impermeable barrier to eliminate water and chloride intrusion
- ✓ Prevents moisture permeation that can lead to the degradation of surfaces
- ✓ Can be used over existing surfaces or to protect new surfaces and the underlying infrastructure
- ✓ Decreases labour and material costs related to road/pavement maintenance and repair
- ✓ Extends surface life and sub-surface rebar because it seals the road/pavement surface
- ✓ Less salt content results in reduced corrosion to structures
- ✓ Lessens environmental impact due to the reduced use of de-icing chemicals
- ✓ Provides convenience, allowing you to pre-treat areas

Distribution

Licensed to Cargill Incorporated for worldwide sales and installation, Safecote Limited are the sole distributor of SafeLane® surface overlay in the UK and Ireland.

Installation

HMS are the UK and Ireland installer of SafeLane® surface overlay. HMS are HAPAS/BBA approved installers of high friction surfacing, with ISO 9001 accreditation for specialist highway treatments and product registration with the Bridges Engineering Division for the UK Highways Network.



If you would like more information about how SafeLane® surface overlay can help you reduce accidents, protect assets and save budgets contact us:

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