



Fact Sheet

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Patented Anti-Icing Surface Overlay System

Protecting people, bridges and roads™

Product Overview

The SafeLane® system is a patented polymer pavement overlay that reduces ice or frost formation on road surfaces while protecting infrastructure from corrosion and chloride intrusion.

A polymer epoxy is mixed with aggregate and applied to pavement surfaces. This aggregate has the unique ability to store deicing liquids that have been pre-applied prior to inclement weather and to release them when weather conditions demand it.

Technology

SafeLane® overlay patented technology resulted from ten years of research by snow and ice experts at Michigan Tech University and is licensed to Cargill for sales and installation. Cargill is an international provider of industrial, agricultural, food and risk management products and services. Cargill Deicing Technology is the North American market leader in the production and distribution of winter snow-fighting products and technology.

After three years on the market and more than 50 installations,

SafeLane® overlay has proven to reduce adverse weather-related accidents by providing increased surface friction. The aggregate used in the SafeLane® system provides a residual anti-icing chemical effect and maintains its anti-icing properties through multiple winter weather events. Additionally, the epoxy in the SafeLane® overlay acts as an impermeable barrier that keeps damaging water and chemicals from penetrating into the road surface or bridge deck.

Reduces Accidents. Protects Assets.

SafeLane® overlay seals treated surfaces, increases friction in any weather, reduces the formation of black ice and frost and

prevents snow from bonding. The result is safer, more durable roads and bridges that are easier to maintain.

SafeLane® Overlay vs. Traditional Anti-icing Programs

With traditional anti-icing programs, chemicals must be applied at every frost event, making it difficult to forecast budgets. With SafeLane® overlay, deicer is applied before weather conditions

develop, to help prevent frost and ice from ever forming. A single application treats multiple frost or ice events.

Installation

SafeLane® overlay is now installed at 57 sites in 23 states, as well as in Canada and the United Kingdom with more planned for 2008 and beyond.

SafeLane® overlay is easily installed. This minimizes traffic delay and potential for work area accidents.

SafeLane® overlay can be installed over concrete, asphalt, steel

or wood. It protects infrastructure and improves year-round traction on bridges or overpasses, dangerous intersections, curves or stretches of road, entrance and exit ramps, approaches to toll barriers, steep grades, parking decks, sidewalks and pedestrian crosswalks, airport baggage handling areas, public transportation boarding areas and more.

For More Information

