



## Fact Sheet

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## Patented Polymer Surface Overlay System

*Protecting people, bridges and roads™*

### Product Overview

The SafeLane™ Surface Overlay 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™ 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.

Studies conducted by the university confirm that SafeLane™ Overlay has traction characteristics better than asphalt and equal to concrete. Simulated weather events also confirm the residual chemical effect of SafeLane™ overlay, which maintains its anti-icing properties after multiple washings – far longer than traditional deicing chemical applications.

### 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™ 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

There are currently nine completed SafeLane™ overlay installations with more planned for 2006 and beyond.

SafeLane™ overlay can be installed in just one day. 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, parking decks, sidewalks and pedestrian crosswalks, airplane runways, public transportation boarding areas and more.

### For More Information