



**SafeLane**<sup>®</sup>  
surface overlay



**SAFER ROADWAYS START  
AT THE SURFACE.**

**HDX**



**Cargill**<sup>®</sup>

Protect lives and enhance commerce by providing sustainable road safety solutions.

# ICE-PREVENTION OVERLAY. SAVING LIVES ONE MILE AT A TIME.

Safety is a vital concern for municipalities when it comes to providing effective winter maintenance services. But it often comes at a cost, as protecting infrastructure can sometimes take a backseat when budgets are tight.

## SAFELANE® HDX SURFACE OVERLAY ADDRESSES THESE CONCERNS BY PROVIDING:

- Safer driving surfaces during hazardous winter conditions.
- A long-lasting wear surface that protects against corrosion.
- Greater residual effects for your anti-icing product.
- Increased year-round traction.

## A NATURALLY REACTIVE ANTI-ICING TECHNOLOGY.

SafeLane® HDX surface overlay works with your anti-icing applications to help prevent the formation of black ice and frost in addition to keeping light snow from bonding to the road surface.

Studies show that preventing slippery conditions on winter roadways can reduce accidents by as much as 75%. Combining residual effects with infrastructure protection and increased friction, this three-in-one product helps keep drivers safer while protecting your investment; making it one of the most effective winter maintenance solutions available.

## SCIENTIFICALLY ADVANCED PERFORMANCE WITH AN ORGANIC APPROACH.

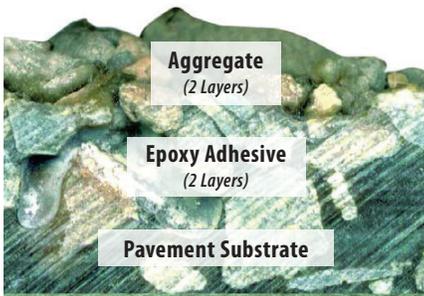
SafeLane® HDX surface overlay is an epoxy-aggregate pavement surface that helps reduce the formation of ice or frost resulting in enhanced driving safety. Meeting ACI 503R adhesion test standards (greater than 250 pounds per square inch), the aggregate and two-part epoxy in the overlay stores previously applied deicing and anti-icing mixtures, such as brine, and naturally releases the solutions when freezing conditions occur. This effect allows users to proactively treat the surface when it's convenient and not immediately before a storm.

## SAFER ROADWAYS. FRIENDLIER ON THE ENVIRONMENT.

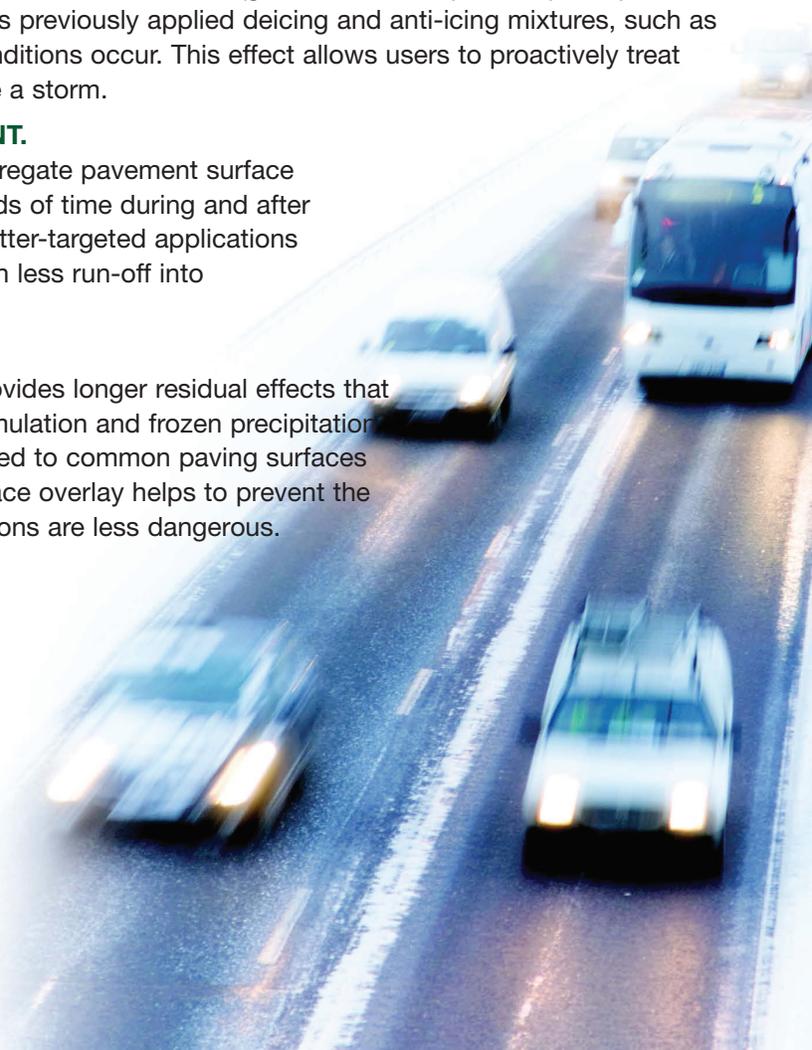
SafeLane® surface overlay is a unique, patented, epoxy-aggregate pavement surface that stores anti-icing and deicing chemicals for longer periods of time during and after snowstorms, and then releases them when needed. With better-targeted applications the amount of chemicals used is greatly reduced, resulting in less run-off into surrounding vegetation.

## BETTER TRACTION AND ANTI-SKID PROPERTIES

The unique aggregate in SafeLane® HDX surface overlay provides longer residual effects that can increase driver safety by helping to prevent snow accumulation and frozen precipitation from bonding to winter roads more effectively when compared to common paving surfaces such as asphalt and concrete. Additionally, SafeLane® surface overlay helps to prevent the formation of black ice. As a result, all-season driving conditions are less dangerous.



SafeLane® HDX surface overlay is a proprietary compilation of a special aggregate and epoxy that retain and release deicing agents as determined by natural conditions. Additionally, this aggregate component supplies increased friction year-round unlike automated anti-icing spray technologies.



## PROTECTING MORE THAN DRIVERS. INCREASING INFRASTRUCTURE LIFE.

SafeLane® HDX surface overlay combats infrastructure damage and corrosion, common effects from harsh winter conditions. The impermeable epoxy layer seals the pavement and creates a durable bond with the aggregate, which helps prevent water, chlorides and chemicals from permeating and



## SAVING A LIFE IS PRICELESS. YOU CAN'T AFFORD THE COST OF DOING NOTHING.

The unfortunate reality indicates that fatal traffic accidents can cost the economy millions in unexpected expenses. Because of these economic factors, SafeLane® HDX surface overlay is best utilized in high-risk areas prone to icy conditions that present the greatest danger to drivers including:

- Bridge decks and overpasses
- Exit and entrance ramps
- Steep inclines
- Toll barrier approaches
- Dangerous intersections, curves or stretches of road



According to the Motor Vehicle Accident Costs Report in the Federal Highway Administration (FHWA) Report T 7570.2, the total economic impact of a fatality caused by a traffic accident was in excess of three million dollars.

Investing in SafeLane® HDX surface overlay can help decrease the emotional devastation and negative economic impact caused by traffic accidents by increasing motorist safety on treacherous winter roadways.



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