

Paving The Way

Thermal Asphalt Solution for
Black Ice



What Is Black Ice?

- Glaze ice
 - Temps 32° or lower
- 2000 deaths–135,000 accidents
 - Blends in with asphalt



Current Solution

- Salt brine
 - Water and 23.3% Sodium Chloride
 - DOT solution

Negative Effects



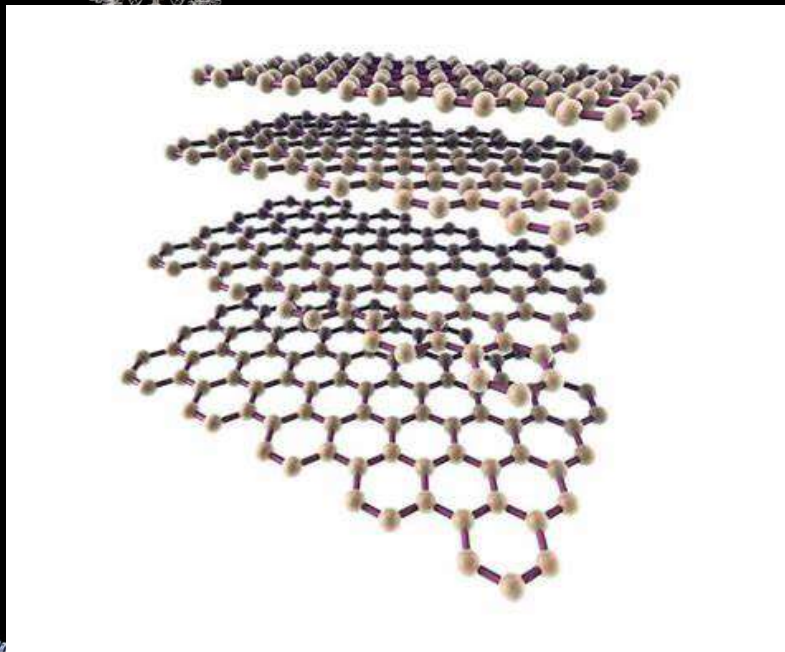
- Attracts wildlife/increases collision risks
- Toxic to animals
- Contaminates water
- Increases soil erosion
- Creates rust build up on vehicle
- Causes potholes

The background is black with several white, intricate snowflake-like patterns scattered across it. The text is centered and reads:

Mission statement:

An asphalt mix less
susceptible to ice
formation

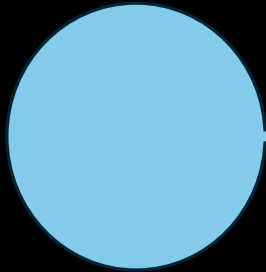
Graphene Nanoplatelets



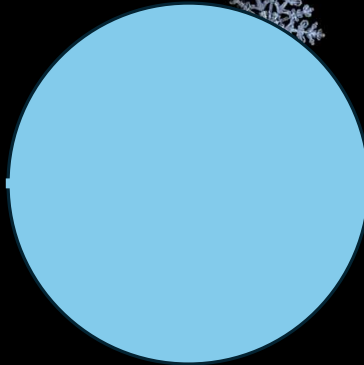
Layered sheets of carbon atoms in hexagonal lattice structure

Steps To Paving The Way

Step 1:



Step 2:



Step 3:

