



## **Liquid Anti-icing Compound**

### **Frequently Asked Questions**

**Why use FS2000?** FS2000 is very effective as a pre-treatment on walkways and parking lots. It prevents bonding to concrete and pavement at extremely low temperatures, is safe to use, and is a cleaner, friendlier approach to snow and ice management.

**What is in it?** FS2000 is a 30% magnesium chloride solution with a plant-based derivative that lowers the effective melting temperature, helps prevent re-freezing and reduces corrosion.

**When do you apply?** FS2000 is applied before the event of precipitation to prevent the bond forming between snow/ice and concrete/pavement. Application after the removal of the snow and ice is also recommended.

**Is this the only product I need?** Some people use only FS2000 all season with a proper program of application and snow removal in place. Many use FS2000 in conjunction with Firestorm granular ice melter. Firestorm is formulated with FS2000.

**How do you apply the product?** FS2000 can be applied with a boom sprayer for larger areas and a backpack sprayer for walkways and steps.

**At what rate is the product applied?** Depending on conditions, FS2000 is applied at a rate of ½ to 1½ gal /1000 sqft. Like all ice de-icers, temperature, location and precipitation play a role in the rate applied. When using a backpack sprayer, make sure that the walkway looks 'wet' and apply evenly.

**Is there mixing involved?** No, FS2000 is a ready to use product.

**After application, how long does it last?** FS2000 lasts 3-5 days without excess moisture or precipitation. FS 2000 is 30% magnesium chloride with additives, and as moisture dilutes this ratio, the product becomes less effective.

**How long does it take to dry?** FS2000 never really dries, but the original 'wetness period' lasts about 20-30 minutes. During this wetness period, it is no more slippery than a wet sidewalk.

**Does it track into buildings?** Unlike granular ice melters, FS2000 does not track into buildings. This is one of the many benefits of using liquid de-icers.

**Does it damage vegetation?** FS2000 is very gentle on vegetation. The main reason is that unlike granular de-icers, FS2000 does not get pushed onto vegetation during snow removal.

**Is it corrosive?** FS2000 is less corrosive than other brine solutions including straight magnesium chloride. FS2000 exceeds the corrosion standards set by the Pacific Northwest Snowfighters (PNS).

**What is the shelf life?** FS2000 has a shelf life in excess of five years. One reason is that the plant-based additive and the magnesium chloride have the same specific gravity and do not settle out.

**Does it melt quantities of snow?** No. Granular ice melters work from the top down, melting snow and ice as they go. Liquid de-icers work from the bottom up. With liquid de-icers, snow needs to be removed before the product becomes too diluted. FS2000 then needs to be re-applied to prevent more precipitation from bonding to the pavement or concrete.

**Will it melt frost and trace amounts of snow?** Yes, FS2000 will melt trace amounts of snow and frost. Again, the moisture dilutes the product and this might mean re-application sooner.

**What is the cost per application?** FS2000 costs less per application than many granular ice melters. When used alone or in conjunction with Firestorm granular ice melter, FS2000 can save you money, not only on product cost, but also on clean-up inside and outside the building.

**For more information, contact your local distributor or HLF Diversified Inc at 1-905-841-2730.**

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