



Caliber™ M2000 Stockpile Treatment and Pre-wet Agent

Caliber M2000 provides the most convenient, efficient, and “stick to the pile” pre-wet application on the market today!

The use of Caliber M2000 allows for the treatment of the entire stockpile as it is being built, or whenever it is most convenient. Treating the entire stockpile prior to application to the roadway means that pre-wetting saddle tanks are no longer necessary.

Enhanced Performance for Salt/Sand Pretreatment:

Caliber M2000 is a blend of the Caliber de-icer with 30% $MgCl_2$. Treating a stockpile with 6-10 gallons of Caliber M2000/ton of salt greatly enhances the performance of the salt, especially at colder temperatures. The increased performance, along with the reduced bounce and scatter experienced when using a wetted solid, translates into a reduction of the material required. Further, a stockpile treated with Caliber M2000 will be free flowing regardless of temperature. Due to the corrosion inhibiting properties of Caliber, treating salt with Caliber M2000 reduces the corrosion to the infrastructure and equipment caused by salt.

Once the salt has been treated with the Caliber M2000 it:

- Increases the rate at which the salt begins working.
- Increases the penetration into ice and snow pack.
- Allows the use of salt at lower temperatures.
- Prevents the stockpile from freezing or “clumping”
- Helps protect equipment from the corrosion caused by salt.

Corrosion:

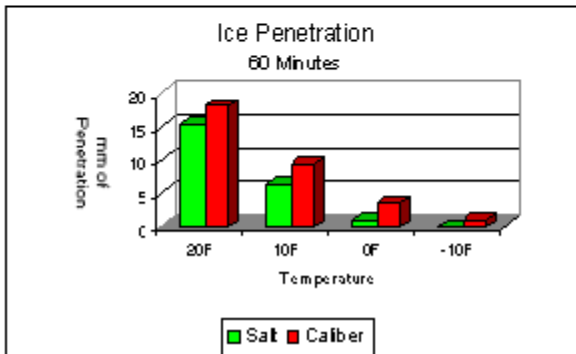
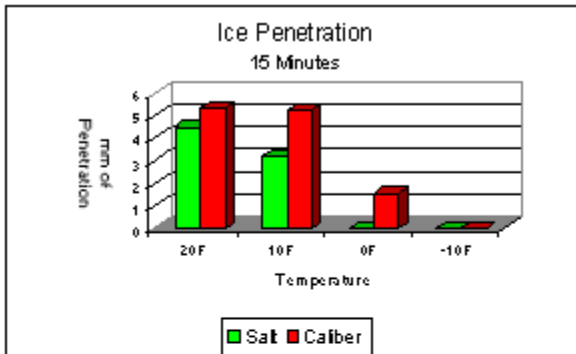
Caliber M2000 stockpile treatment passes the test developed by the National Association of Corrosion Engineers Standard TM-01-69 as modified by the PNS. The specification set by the PNS is 70% less corrosive than salt. In this case, Caliber M2000 is just above that of distilled water.

Metal Corrosion Tendency	
Deicing Fluid	Relative Corrosion Rate
Distilled Water	0
Rock Salt (NaCl)	100
Calcium Chloride ($CaCl_2$) 38%	121
Calcium Chloride ($CaCl_2$) 30%	86
Magnesium Chloride ($MgCl_2$) 30%	80
Caliber M2000	8.1

Gee Asphalt Systems, Inc.

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Applications: Caliber M2000 is designed specifically for stockpile treatment of salt and/or sand. When treating a salt stockpile, 7-10 gallons of Caliber M2000 per ton of salt is recommended. As a treatment for sand, 4-6 gallons of Caliber M2000 per ton of sand is recommended. This application allows the sand to “bite” into the ice or snow-pack greatly reducing the bounce and scatter experienced with dry sand.



Typical Performance Properties:

One of the most important performance characteristics of salt is its ability to vertically penetrate ice and snow-pack in order to reach the road surface. This penetration is also an indication of the melting capabilities of the salt at varying temperatures. The accompanying charts demonstrate the increased penetration (and melting performance) of salt treated with Caliber M2000 as compared to dry rock salt. The increased performance is dramatic at colder temperatures, allowing for the use of salt at temperatures not previously possible.

Training: Gee Asphalt conducts training classes and seminars for customers in driver operator training to get the most out of your

deicer program. We will schedule a class at your facility to teach your staff how to apply liquids, prevent vegetation kill, promote safe winter operations and improve pedestrian and auto traffic during the most severe winter conditions. Our theory is that it is better to have all the tools available necessary to prevent injuries and property damage, than to play catch up after the fact.



Inquiries:

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Ask about having us pre-wet *your* stockpile with our portable conveyor!