

Deicing Application Rate Guidelines

Deicing Application Rate Guidelines for Parking Lots, Sidewalks and Trails

For best results remove as much snow and ice as possible before applying deicers

Pavement Temp. (°F)	Application Rate in lbs/per 1000 square foot area					
	Wet at 6 to 12 gallons per ton			Apply with calibrated equipment		
	Rock Salt *	Bagged Blend Mostly Sodium Chloride	Bagged MgCl ₂ or CaCl ₂	Rock Salt wet with Salt Brine	Rock Salt wet with other liquids	Winter Sand **
28 ° to 32 °	2.3	2.3		1.6		
23 ° to 28 °	2.3-4.5	2.3-4.5		1.6-3.2		
15 ° to 23 °	2.3-6.8	2.3-6.8		1.6-4.8		
0 ° to 15 °			2.3-6.8	3.2-4.8	3.2-4.8	Spot treat as needed
-5° to 0°			6.8		4.8	
< -5°	Plow Only					
SPEED of melting	AVERAGE The colder it is the slower it works	Faster than rock salt if the gradation is finer	ABOVE AVERAGE	FAST	FAST	NONE

* Dry rock salt is not recommended. It is slow to melt and leads to over-application.

**Winter sand contains ≤ 5% salt. It will not melt snow or ice.

For subsequent passes use 1/2 rate to the full initial rate.

For an interactive version of this chart visit: www.wisaltwise.com

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Written by Fortin Consulting, Inc.

Dane County Department of Land and Water Resources (LWRD) has determined that these guidelines establish a best maintenance practice for those fighting winter storms so they can provide high quality service and a lower impact on our environment. By issuing these guidelines, LWRD does not intend to extend its liability beyond that imposed by state statutes.

WI Salt Wise
Partnership

