

City of Milwaukee Sanding and De-Icing Plan

Pavement Temperature	Pavement Surface Conditions	Initial Snow/Ice Maintenance Action	Follow Up Snow/Ice Maintenance Actions	Notes
Above 32F and rising	Light snow cover	See Comment	See Comment	Monitor pavement temperature, Treat icy patches with sand if necessary, depending on location treat with MgCl ₂ or CaCl ₂ at 15-30 Gal/LM
32F or below	Dry	See Comment	Reapply sand, plow as needed, re-treat with MgCl ₂ or CaCl ₂ depending on location	Dependent on Future Forecast: Sand or treat with 15-30 Gal/LM of MgCl ₂ or CaCl ₂ depending on location
20 to 32 F	Wet, slush or snow cover	Plow as needed, apply sand or treat with 20-35 Gal/LM of MgCl ₂ or CaCl ₂ depending on location	Reapply sand, plow as needed, re-treat with MgCl ₂ or CaCl ₂ depending on location	Actual application rate will depend on conditions and equipment
15 to 20 F	Dry, wet, or snow cover	Plow as needed, apply sand or treat with 30-50 Gal/LM of MgCl ₂ or CaCl ₂ depending on location	Reapply sand, plow as needed, re-treat with MgCl ₂ or CaCl ₂ depending on location	Actual application rate will depend on conditions and equipment
Below 15F	Dry or snow cover	Plow as needed	Reapply sand, plow as needed	Apply sand only

De-Icer

The recommended snow and Ice control material application rates depend on weather and pavement conditions at the time of treatment as well as forecasted conditions. Do not apply MgCl₂ above 35F. Over application could lead to slippery conditions. De-Icer usage will be tracked and monitored for effectiveness.

Plowing: Typically plowing will began after 2" of snow accumulation. Before the application of sand or de-icer the road surface should be as clear of as much snow and ice as possible.