

GEN3[®]

**Liquid Potassium Acetate-Based Runway Deicer
Application Guidelines**

This chart is designed to be used as a guideline for general airport runway deicing and anti-icing. Your situations will always vary depending on relative humidity, dew point, and wind conditions. When de-icing, it is best to start with a rate of 12 to 20 mls per square meter (0.33 to 0.5 gallons per 1000 square feet). Adjustments, plus/minus can be made from there.

Recommended Application rates in **milliliters per square meter of pavement:**

De-icing situation	Ambient temperature -4 to 0 degrees C	Ambient temperature -4 to -18 degrees C	Ambient temperature -18 to -29 degrees C
Packed snow, 1.25 to 2.5 cm	20 to 28	28 to 36	36 to 44
Packed snow, Less than 1.25 cm	8 to 16	16 to 24	24 to 30
Black ice, <0.25 cm	24 to 32	32 to 40	40 to 48

Recommended Application rates in **gallons per 1000 square feet of pavement:**

De-icing situation	Ambient temperature 31 to 15 degrees F	Ambient temperature 15 to 0 degrees F	Ambient temperature 0 to -20 degrees F
Packed snow, ½" to 1"	0.5 to 0.7	0.7 to 0.9	0.9 to 1.1
Packed snow, Less than ½"	0.3 to 0.4	0.4 to 0.6	0.6 to 1.0
Black ice, <1/10"	0.6 to 0.8	0.8 to 1.0	1.0 to 1.2

Anti-icing:

When expectations of freezing rain or wet snow, use 13 to 19 mls per square meter (0.328 to 1.2 gallon per 1000 square) of pavement..

NOTE: Gen3 alone will not penetrate black ice layer unless accompanied with IceCare solid which will melt into the ice surface, allowing the liquid to penetrate between the pavement surface and layer of ice which can then be easily broomed. Allow enough time for IceCare to penetrate the snow pack or ice before plowing or brooming. IceCare penetrates faster at higher temperatures. It also has a residual effect once the frozen precipitation has been removed however it is best to re-apply when snow/freezing rain first starts accumulating to keep it from bonding to the surface.