

## IceCare™

### Sodium Formate 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. For deicing it is best to start at a rate of 10 to 20 grams IceCare per square meter (1.5 to 5 pounds per 1000 square feet) of pavement. Adjustments, plus/minus can be made from there. 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.

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

De-icing situation	Ambient temperature 0 to -5 degrees C	Ambient temperature -5 to -10 degrees C	Ambient temperature -10 to -14
Packed snow, 1.25 to 2.5 cm	19 to 26.5	26.5 to 35	35 to 41
Packed snow, Less than 1.25 cm	7 to 15	15 to 22.5	22.5 to 30
Black ice, <0.25 cm	22.5 to 30	30 to 37.5	37.5 to 45

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

De-icing situation	Ambient temperature 20 to 32 degrees F	Ambient temperature 10 to 20 degrees F	Ambient temperature 0 to 10 degrees F
Packed snow, ½" to 1"	4 to 5.5	5.5 to 7	7 to 8.4
Packed snow, Less than ½"	1.4 to 3	3 to 4.6	4.6 to 6.1
Black ice, <1/10"	4.5 to 6.1	6.1 to 7.7	7.7 to 9.2

#### IceCare Anti-icing:

When expectations of freezing rain or wet snow, use 22.5 to 45 grams per square meter (4.5 to 9.2 pounds per 1000 square) of pavement.