

ICE-AWAY

Winter is quickly approaching, and with that comes the inevitable challenges of cold conditions, slippery roads, and treacherous paths. As we brace ourselves for the frosty months ahead, it's essential to consider the environmental impact of our preparations and applied de-icing solutions. One significant change we can make is in our choice of de-icing agents. While salt has been the go-to solution for many years, there's an eco-friendlier alternative on the horizon: Calcium Magnesium Acetate (CMA) and mixtures with potassium formate (CMA+).



- Eco-friendly
- Reliable and efficient
- Very low freezing points
- Excellent de-icing properties
- Prevents slippery surfaces for up to 60 hours
- Easily biodegradable
- Non-hazardous to ground water
- Non-corrosive to any surfaces or any metals
- Non-aggressive towards plants and trees
- Non-toxic for animals and pets
- Can be applied preventive and on a maintenance level
- Comes in a "ready to use" liquid form, therefore does not blow away, as de-icers in dry form
- Reduces Particulate Air Pollution (PM) - up to 35% reduction in the daily PM10

Benefits compared to salting

1. Eco-Friendly with Nordic Swan ecolabel: Unlike traditional rock salt, which can have detrimental effects on the environment it is applied to, ice away is a more sustainable choice. It's biodegradable and poses no threat to the surrounding flora and fauna. <https://www.nordic-swane-colabel.org/official-nordic-ecolabel/>
2. Longevity: ice away has been documented to last longer than salt when applied to roads and pathways, meaning fewer applications are needed. 'ice away' lasts approximately 60 hours once applied, compared to 8 hours for salting.
3. Protection of Trees and Vegetation: One of the significant downsides of salting is the harmful effects on trees and vegetation. Salt can leach into the soil, affecting the nutrient balance and harming plants. ice away does not have this negative impact, making it a safer choice for areas with a lot of greenery.
4. No dust from salt particles: salt can create dust particles when vehicles are passing, leading to air pollution and potential respiratory issues for those nearby. ice away does not produce this dust, it actively settles dust as it has a duo use as a dust-management additive - ensuring cleaner air quality.
5. Reduced Corrosion: Anyone living in a winter-prone area knows the havoc salt can wreak on cars and infrastructure. The corrosive nature of salt can lead to rusting and degradation of metal surfaces as well as foundations on buildings. ice away is less corrosive, which means less damage to vehicles, bridges, buildings, and other infrastructure.



01905 362100 sales@airspectrum.com

ICE-AWAY

ICE & FROST ADDITIVE

TECHNICAL SPECIFICATION

ICE-AWAY is provided as a ready-to-use liquid, and is usually applied using a spreader plate or misting equipment. For full details please request MSDS.

Storage: Store in cool, dry conditions (between 5-30°C)

Air Spectrum Environmental operates to the highest standards and is accredited by a number of professional bodies. These include ISO 9001 quality standards accreditation as well as international environmental standard ISO 14001 accreditation.

ice
away



RECOMMENDED EQUIPMENT

- Quattro 4-in-1
- Road-Go Dust Suppression (Spreader Plate)
- Backpack/Mobile Sprayers

APPLICATION INSTRUCTIONS

The product is soluble in water and will be washed away by strong rain. We recommend cleaning the spraying equipment with water after use. The dosing of de-icing agents depends on a variety of factors. The below values are listed as recommended doses in gram per square metre at different. ICE-AWAY will control icy conditions for up to 60 hours, but the factors mentioned below may impact this.

Factors having an impact on the necessary amount dosed:

- Surface (stone, gravel, asphalt, concrete etc.). Smooth and solid surfaces generally require smaller amounts because the amount applied will not be drained off.
- Wind speed and temperature are very influential on the degree to which the surface is cooled off and thus on the dosed amount.
- Local traffic removes/relocates the applied de-icing agent. The heavier and faster the traffic, the higher the required doses.
- Precipitation. The anticipated amounts of rain or snowfall after applying the de-icing agent also have a large impact on the effect. These amounts are often unknown quantities.
- Temperature. The actual temperatures after the de-icing agent has been applied also have a considerable impact on the effect; and future temperatures are often unknown quantities.

	0 to -3°C	-4 to -7°C	-8 to -10°C
Preventative spraying for frost	5-10 g/m ²	8-12 g/m ²	10-15 g/m ²
Ice Glazed surfaces 0-1mm	8-15 g/m ²	10-20 g/m ²	15-25 g/m ²
Ice Glazed surfaces 2-5mm	15-25 g/m ²	25-35 g/m ²	35-50 g/m ²

The above are guidelines for application, if snow and ice is still persistent, increase the amount of product applied until desired results are achieved.

