KEMION
BANG & BONSOMER

Eco-friendly de-icing and dust binding products
for mining industry





De-icing and ice melting

In mining areas, de-icing plays a crucial role in ensuring the safe passage of heavy traffic on access roads. Additionally, long transport lines and processing equipment can easily be affected due to freezing. With Kemion's de-icing agents, de-icing of access roads and the thawing of frozen tracks, switches, and transport lines can be done effortlessly. The biodegradable **Eco-Melter** products also do not accumulate in the closed water circuits of mines.

The Eco-Melter de-icing and ice melting product family is designed for demanding winter conditions. The fully chloride-free Eco-Melter products are environmentally sustainable and quickly biodegradable in the soil. They are safe to use, gentle on surfaces and materials, and have low corrosion impact.

We also offer customized solutions tailored to the needs of the mining industry, providing products that meet a variety of requirements and constraints.

Benefits of Eco-Melter product family

- 100% biodegradable
- Liquid and solid options
- Excellent de-icing capacility
- High frost resistance
- Low corrosion and material impact
- Easy to store and apply



We recommend following products

Eco-Melter L is an effective liquid de-icing and ice melting solution with a high active ingredient concentration. The solution has a freezing point of –50 °C and is suitable for use in groundwater areas.

Eco-Melter RAIL is a plant-based solution particularly suitable for applications requiring excellent ice-melting performance combined with minimal corrosive effects.

Eco-Melter S is a solid, corrosion- and material-friendly ice melting granule, particularly suitable for applications requiring effective ice removal. The product is suitable for use in groundwater areas.



Dust binding

Kemion's environmentally friendly **Eco-Binder** and **Bio-Binder** dust binding products are excellent solutions for managing dust in mining operations. They effectively address health, aesthetic, and operational challenges caused by dust in and around mines. Suitable applications include quarries, concentrators, tailings ponds, and mining roads.

The products can be used in groundwater areas, as they do not accumulate in nature or the closed water circuits of mines. They are safe to use, gentle on surfaces and materials, and have low corrosion impact.

In addition to dust binding, the products can stabilize various surfaces and piles, reducing the leaching and migration of harmful substances into soil, groundwater, and water systems. Eco-Binder products are also effective for winter dust control and are easy to store, withstanding even freezing temperatures.

We also offer customized solutions tailored to the mining industry's needs, providing products that meet a variety of requirements and constraints.

Eco/Bio-Binder product family benefits

- 100% biodegradable
- Excellent dust control impact
- Can be used during night frosts
- Low corrosion and material impact
- Easy to store and apply



We recommend following products

Eco-Binder F is an effective solution, ideal for dust control on surfaces such as asphalt. The product has moisture-retaining properties. This biodegradable product is suitable for use in groundwater areas and does not accumulate in the environment or waterways.

The Bio-Binder product range consists of biopolymer-based solutions. The products are particularly well suited for controlling dust from stockpiles by forming a durable film on the surface. They can also be used for dust control on mining roads as an alternative to water spraying. In addition, the product range includes solutions for winter dust control.



Kemion Oy

Kemion Oy is a Finnish chemical company, owned by Bang & Bonsomer Group, that develops and manufactures environmentally friendly solutions for de-icing, ice melting and dust control applications. We focus on sustainable and safe solutions for the environment, providing an effective alternative to traditional road salt. Our goal is to be a leader and promote sustainable development through our operations.

We leverage our extensive practical experience to continuously improve our products and services. We are committed to working closely with customers to develop tailored solutions for various requirements and applications. We are an ISO 9001 and ISO 14001 certified company.

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