

ISONEM[®] SS SOIL HARDENER

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Floor Coating

Soil Stabilizer And Dust Control Agent

ISONEM SS SOIL HARDENER is an ecologic agent used to stabilize and solidify soil or aggregate as well as dust suppression. Once applied to the soil or aggregate, the copolymer molecules coalesce forming bonds between the soil or aggregate particles, originates with its long, nanoparticle molecular structure that link and cross-link together. As the water dissipates from the soil or aggregate, a durable and water resistant matrix of flexible solid-mass is created. Once cured, it becomes completely transparent, leaving the natural landscape to appear untouched.

USAGE AREAS

- Unpaved dirt roads
- Construction site areas and roads
- Heavy haul roads
- Storage and stock piles
- Road base and sub-base
- Helipads
- Mine tailings and areas
- Land development
- Construction parking areas
- Power plants
- Event parking lots
- Road shoulders
- Airport infields
- Slopes and berms
- Forestry roads
- Agricultural roads
- Golf courts and trails
- Border patrol roads
- Parks and recreations
- Storage lots and ponds.

TECHNICAL SPECIFICATIONS

- **Appearance** : White emulsion
- **Density [25°C, g/mL]** : 1.00 ± 0.10
- **PH [25°C]** : 7.0 - 10.0
- **Viscosity [25°C, mPa.s]** : 4000 – 9000
- **Solids [% Weight]** : 50 ± 2
- **Mechanical Stability** : Very good
- **Fire Class** : B S1 d0

CONSUMPTION AMOUNT BY APPLICATION FIELDS :

- **For heavy vehicle traffic on dirt roads** : 1 lt ISONEM SS + 2 lt water
- **For use against dust only** : 1 lt ISONEM SS + 10 lt water
- 1 KG ISONEM SS + 1 lt water in areas with very heavy cargo traffic and construction sites such as airports

COLOR : Milk-white, after being cured it is transparent. It can be colored.

PACKAGING : In 5 lt, 10 lt and 20 lt PE drums

CONSUMPTION : 5 lt : Consumption will vary depending on usage area and soil type. For further information please contact our company.

STORAGE : 24 months in original, unopened package, cool and dry environment.

PM 10 & PM2.5 Compatible [stops hazardous dust particles of size 2.5 microns and above] Non-flammable and volatile. Ecological and environmentally sensitive.

APPLICATION METHOD

ISONEM SS Soil Hardener is a concentrated ready to use solution. Application area should be completely dry and free from water. The area must be free from rain for a minimum of 72 hours after the application. Temperature must be at least 4°C.
Ripper the soil : Cause the application to the desired depth (usually 150 to 200 mm) with the help of digger dug. At this stage, grader, rototiller or disc harrow is used for coarse materials crumble.

Moistening the soil with Liquid Soil Stabilizer : Stabilizer is added in an amount determined by the tanker full of water. The mixture was then sprayed on the soil surface to show an equal amount of distribution.

Mixing the soil : Soil stabilizers and optimum moisture to spread evenly to the specified depth should mix very well.

Compaction of the soil : Whether the slope of the road to be added to the soil stabilizer is brought to optimum moisture corrected with the help of the cylinder is compressed. Meets the requirements of the amount of compression should be considered. After the compaction process is completed, the application surface can be opened to traffic after 7 days. Heavy loads must not be carried on the area before this period is completed. Depending on weather conditions, the time may be longer or shorter.

IMPORTANT During and after application surfaces should be protected from rain, water, mechanical loads and impacts for 24 hours.



Finishing



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The information given in this technical data sheet has been prepared according to our knowledge, experiment results, and experiences. The correct and successful implementation of our products is completely beyond our control and responsibility. For this reason, our responsibility is limited to the quality of our product only, and this manual overrides all previous technical statements, descriptions and label information.

“ Our products are not classified by Biocidal Products Regulation ”