

ISONEM[®] SS SOIL HARDENER



Soil Stabilizer And Dust Control Agent

ISONEM SS is an ecologic agent used to stabilize and solidify any 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 sites and roads. •Heavy haul roads. •Road base and sub-base. •Storage and stock piles. •Power plants. •Helipads. •Airport infields. •Mine tailings and areas. •Land development. •Construction parking areas. •Event parking lots. •Road shoulders. •Slopes and berms. •Forestry roads. •Agricultural roads. •Border patrol roads. •Golf courts and trails. •Parks and recreations. •Storage lots and ponds.

APPLICATION METHOD: **ISONEM SS** 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. Compact the test plot to a minimum of 95%. pre-wet the test plot with water (only) at a rate of 2,5 L/m² to break the surface tension and increase penetration depth. Solution should be sprayed to surface slowly and uniformly.

APPLICATION COVERAGE RATES; •Unpaved dirt roads with high traffic: 1 lt **ISONEM SS** + 6 liters water •Dust control: 1 lt **ISONEM SS** + 10 liters water •Aircraft runways (heavy traffic) and construction areas: 1 lt **ISONEM SS** + 4 liters water

PREPARATION OF ISONEM SS DILUTION; Fill the application equipment with the recommended volume of water and then fill the application equipment with the recommended volume of **ISONEM SS** concentrate and mix. **ISONEM SS** Dilution should be applied by uniform layers and should be compacted. Each successive coat of **ISONEM SS** dilution should be applied in a timely manner to ensure that the surface always stays wet with the **ISONEM SS** dilution. DO NOT allow the **ISONEM SS** dilution to dry between the application coats. Apply the dilution in minimum 4 coats. Allow the area to dry and cure for a minimum of 24 hours, prevent any human activity over the area until it has completely cured.

NORMAL LIFE SPAN: Typically, 12-24 months prior to first maintenance coat. Approximately 30% the original volume used after the first 24 months. Once cured, **ISONEM SS** is no longer water soluble and will not dissipate or wash away. **ISONEM SS** can be diluted with sea salt water in mandatory cases. Do not store sea salt water dilution over 8hrs.

PERFORMANCE FACTORS; Application rate, soil type, dilution, compaction, traffic, penetration, climate & others.

TECHNICAL PROPERTIES: •Chemical Composition: Polyvinyl acetate copolymer emulsion •Appearance: White emulsion •Ph: 4-6 •Total Solids: % 50 ±1.0 •Viscosity (25°C, Br.): Min 500 cps •Mechanical Stability: Excellent

PACKAGE: 5,10, 20, lt PE Barrel

STORAGE CONDITIONS/SHELF LIFE: 12 months from date of production if stored properly in unopened and undamaged original sealed containers at temperatures between +5°C to +35°C at dry conditions. Protect from excessive temperature and frost.

COLOR: Milky White (transparent once cured), it can be colored if required. PM10 & PM2.5 Compliant (stops hazardous dust particles of 2.5+ microns in size)

- Non-Flammable & Non-Volatile
- Ecologically & Environmentally Safe



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