

Roadstar-APS

Acrylic Co- Polymer Soil Stabilizer for Road Preparation

Road star- Is manufactured from modified co-acrylic polymers and designed to control the soil from drifting soil or sand dunes and stay ready for traffic.

Roadstar APS -The benefits of stabilization include strength improvement, dust control, and waterproofing – helping governments, explorers, innovators, and organizations both public and private all across the globe, making their infrastructure and logistical dreams a reality. Roadstar -APS roads are more robust, resilient, and flexible than conventional roads and are just as strong in wet, dry, hot and cold conditions.

Features

- Improves structural strength of the road
- Harmless to both plants , human and animals
- Water-based , eco friendly , Non-toxic and Ready -to-use
- Reduce the absorption of water and damaging salts
- Easy to use and apply
- Better curing (Slow loss of moisture) soil stabilization process
- converts poor-quality soil into a premium construction material.
- There is NO need for cement, lime or any other possible additives or binding agents.
- No need to mix dirt with lime to stabilize the ground. K31-APS super concentrate is all you need for a stronger long lasting stabilized road.

Field Of Application

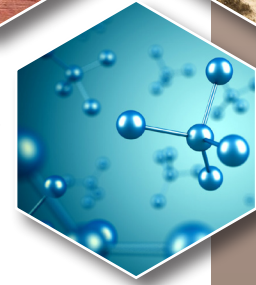
- 1 Temporary and Permanent Heavyweight Traffic areas Private streets, Access and Haul Routes, Parking Areas, Service Roads and Driveways, Outdoor flooring, walkways & footpaths.
- 2 To stabilize soil to create roads , drive ways , construction sites, parking areas
- 3 Global transportation and infrastructure
- 4 Erosion control for roads and highway
- 5 Soil consolidation before excavation
- 6 Short Term & Long Term Non-traffic applications:-

Erosion Prevention, windblown Dust Prevention, Vegetation Prevention, Trap and Bunker lining, Sand Contamination Prevention.

APS soil stabilization methods are more effective than cement soil stabilization, cement stabilization of soil, dust suppressant, or dust suppression.

Technical Properties

Construction	Special Resin Solution	
Form	Liquid	
Density	1.04 Kg/Litre approx	
Colour	Milky White	
Application temperature	0° C to 45 °C	
Permeability	No Seepage	ASTM E96-95
Bonding Strength	25 % Higher	ASTM D 3359
Compressive Strength	40 % Higher	ASTM C39
Impact resistance	20 % Higher	ASTM C 805
Static Coefficient of Friction	≥0.6	ASTM C 1028
UV Resistance	Excellent	ASTM G 23
VOC	≤ 50 g/L	



engineered to perform

Applicationn

Roadstar -APS is a high quality modified acrylic copolymer supplied in concentrate that is diluted with water and applied to soils to increase engineering properties. Once applied, polymer particles coalesce, the water evaporates, and what remains is a tough and durable binder that increases Bearing Capacity, Flexural strength, chemical resistance, and is waterproof.

All soils are not equal. Prior to installation, it is important to perform testing on your soil. Particle size, density, liquid limit and plasticity will have varying results. These application rates are generalized, individual results depend on soil conditions and available equipment

Steps

Cultivate the soil which need stabilization

Sprinkle the water with water sprayer and compress the soil with roller or compaction rod

Spray Roadstar APS by diluting 1:1 with water

Let it cured depends upon the climatical conditions

Consumption

Roadstar APS by diluting 1:1 with water at the rate of 1.5 L/sq.m

Packing

APS is available in 20 L can , 200 L, 1000 L drum.

Health & Safety

May cause skin irritation, eye irritation. May cause an allergic skin reaction
Protective Measures: The use of safety glasses and chemically resistant gloves is recommended. Use appropriate clothing to minimize skin contact.

FirstAid

Eye Contact: Hold open eyes under running water for 15 minutes. Seek medical advice.

Skin Contact: Wash skin with soap and water. Seek medical advice if irritation develops.

Inhalation: Remove affected person to fresh air. If necessary, use artificial respiration. Seek medical advice.

Ingestion: If product is swallowed, call physician or poison control center. DO NOT INDUCE VOMITING, or give diluents to someone who is unconscious, having convulsions, or unable to swallow. Seek medical advice

Storage

APS has a shelf life of 24 months from date of manufacture if stored in dry conditions away from direct sunlight temperatures between 5°C and 45°C .

