

SoilCrete PA

Acrylic Copolymer Soil Stabilizer



DESCRIPTION • *SoilCrete PA* is a ready-to-use, water-soluble, synthetic polyvinyl acetate acrylic copolymer emulsion. *SoilCrete PA* is provided in concentrated form and applied to the soil for stabilization and dust control.

USES • *SoilCrete PA* is provided in concentrated form and diluted with water on site. The low viscosity liquid is then either mixed in with the soil or applied topically to the surface. Mixed in, *SoilCrete PA* is used to reduce erosion and stabilize the soil for an increased load-bearing strength and reduced freeze-thaw heaving. Applied topically, *SoilCrete PA* adheres dust particles to the ground, thereby reducing dust from vehicular traffic. *SoilCrete PA* is suitable for use on heavy haul roads, construction sites, aircraft runways, helipads, unpaved dirt roads, event parking lots, road shoulders and medians, schools and playgrounds, and military camps.

ADVANTAGES

- ✓ Eliminates dust-related illnesses and problems.
- ✓ Reduces road maintenance requirements.
- ✓ Reduces vehicle tire wear and repair needs.
- ✓ Environmentally safe and biodegradable.
- ✓ Ready to use and easy to apply.
- ✓ Low viscosity when diluted with water.
- ✓ High solid content.
- ✓ Dries flexible, non-tacky and transparent.
- ✓ Non-volatile, non-hazardous, and odorless.
- ✓ UV ray and water resistant.
- ✓ Non-corrosive.
- ✓ PM10 and PM2.5 compliant.

LIMITATIONS • Not effective if graded through. Not recommended for tracked vehicles. Requires time to cure and harden. Must be stored in sealed container at above-freezing temperatures.

COVERAGE • Application rate of *SoilCrete PA* depends on the desired dust control/soil stabilization requirement. The following general guidelines may be used for application rates:

Sand surfaces/dunes	100-200 ml/m ²
Slopes in road construction	100-300 ml/m ²
Water retention purposes	75-100 ml/m ²
Agriculture	30-75 ml/m ²
Landscaping	30-75 ml/m ²
Cultivation	30-75 ml/m ²

MIXING • *SoilCrete PA* is provided in concentrated form and must be diluted with water on site. Use only clean potable water. The *SoilCrete PA* to water dilution ratio varies from 1:6 to 1:9 by volume, depending on the exact area of application and it's requirements. However, the amount of water used per area may be fixed at 2 liters/m². The following table provides a general guideline:

Area (sq m)	Water (ltr)	SoilCrete PA (ltr)			
		@ 50 ml/m ²	@ 75 ml/m ²	@ 100 ml/m ²	@ 200 ml/m ²
1	2	0.05	0.075	0.1	0.2
10	20	0.5	0.75	1	2
100	200	5	8	10	20
1,000	2,000	50	75	100	200
10,000	20,000	500	750	1,000	2,000

APPLICATION • *SoilCrete PA* may be applied topically to the top surface of the soil or mixed in. Topical applications are used for light to heavy traffic dust and erosion control. Application is carried out using water trucks, distributor trucks, static tank with pump and hose, helicopter drops or airless spray.

Mixing-in is used for base hardening and strengthening for increased load-bearing capacity. Mixing-in may be carried out by a road grader, tractor & disk, compactor, and/or roto-tiller.

Non-traffic applications have 12-24 months longevity, while traffic applications may require re-application every 9-16 months. Maintenance and re-applications are generally performed at 30% of the original topical rates, and are cumulative, thereby eventually rendering reapplication unnecessary.

CLEANING • Clean all tools and equipment promptly with clean water.

STORAGE & SHELF LIFE • Store in a sealed container away from direct sunlight and at above-freezing temperatures. Shelf life is 12 months from date of purchase.

PACKAGING • 125 Kg container.

Creative Concrete Concepts

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