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LAS-320 Application Rates

Unlike traditional sealcoat products, LAS-320 is a polymeric emulsion that integrates into the asphalt providing superior protection against environmental damage. LAS-320 penetrates degraded and oxidized asphalt to make a chemical bond that eliminates damage from fuels and UV radiation by sealing surface imperfections and filling cracks which helps prevent water and freeze/thaw damage. It has been tested and used by the US Military and FAA and is classified as a Fuel Resistant asphalt sealer for airfield applications. LAS-320 is available to residential, commercial, and industrial customers and is shipped worldwide. Application rates are determined by surface condition, texture, porosity, age, and installation method.

How to estimate the amount of LAS-320

LAS-320 has similar viscosity to water so water can be used to determine the approximate application rate. By applying a known amount of water and dividing by the square area covered, you can better estimate the amount of LAS-320 to use based on your specific surface conditions. LAS-320 has an estimated coverage rate of 100 square feet per gallon (2.5 M2/liter) but actual rates can range from 65 feet or as high as 150 feet per gallon (1.6 to 3.7 liters/M2). It is recommended to test first beforehand so you have the proper amount of LAS-320 on hand before starting.

Factors that determine application rates of LAS-320

New Asphalt

New asphalt has less porosity and fresh oils can inhibit adsorption of LAS-320, surfaces should weather for a few rain cycles or be rinsed with water first. High application rates of 115 to 150 square feet per gallon (3-3.7 M2/liter) can be expected.

Aged Asphalt

Most damage to aged asphalt is caused by UV exposure. Over time, hydrocarbons are washed away, weakening the bonds of the asphaltic binder to the aggregate mix. Porous or oxidized surfaces can expect lower application rates between 65 and 90 square feet per gallon (1.6 to 2.2 M2/liter).

Application Method

LAS-320 can be applied with conventional spray equipment or can be simply poured and spread with a broom, brushed, or rolled. Because of its low viscosity, LAS-320 cannot be spread with a squeegee.

Previous Sealcoat Applications

If the asphalt has had previous sealcoat applications, they may not allow LAS-320 to adsorb into the asphalt resulting in only the old sealcoat being covered.

Surface Texture

A corrugated or textured asphalt has more surface area compared to a flat surface and will use more material.

Environmentally Safe Products For Today's Construction Projects