

PRODUCT NUMBER	PRODUCT	SPECIFICATION	SPEC. NUMBER
#1003	ACE SEAL HD Polymer Modified Asphalt Sealer	Parking Areas & Shoulders Sealcoat	37-4

DESCRIPTION:

Ace Seal HD is an asphalt product combining selected fillers and suitable additives with a 3% polymer modified asphalt emulsion. Ace Seal HD contains no coal tar and is therefore, acceptable on school playgrounds and tennis courts as well as any off highway asphalt surface.

Ace Seal HD protects any asphalt surface by sealing the asphalt against the harmful effects of sun, water and frost. Ace Seal HD slows oxidation of the asphaltic binder and reduces the loss of aggregates from the surface of the asphalt and, therefore, reduces maintenance costs and adds years of life to pavement.

SURFACE PREPARATION:

The surface to be sealed should be properly repaired before being sealed. Any places where the asphalt does not have good structural integrity should be saw-cut out and replaced before it is sealed. Sealer is not designed to increase the structural characteristics of the asphalt. New asphalt surfaces should be allowed to cure a minimum of seven days before application, three to six months is recommended. Surface must be clean and free from all loose material, so that the sealer can adhere to the asphalt surface.

MIXING:

Normally 20 to 30 percent water is needed in the first coat and 20 to 25 percent in the second coat. A good mixer is required to mix the sealer thoroughly after water is added to insure a consistent concentration before applying. The amount of water needed will vary depending on the temperature of the pavement and the temperature and humidity of the air. There should be enough water added so that the sealer will flow into the pavement and give good adhesion. Dilute the concentrated Ace Seal HD with water as required to achieve ease of application. Ace Seal HD already contains 3 pounds per gallon of ground silica aggregate to achieve a non-skid surface. Up to three pounds of additional aggregate per gallon of undiluted sealer can be added; (Refer to Technical Bulletin #1243 for mixing instructions).

Suggested Mix Design When Adding Additional Aggregate:

	Sealer	Water	Aggregate*	Polymer Modifier
1st Coat	100 Gallons	20 - 30 Gallons	100 - 300 LB	1 - 3 Gallons
2nd Coat	100 Gallons	20 - 25 Gallons	NONE	NONE

* #30 Manufactured Silica Sand Recommended

APPLICATION:

Two coats applied evenly over the entire surface are recommended. Apply by squeegee, brush, or mechanical spray. Apply second coat in cross direction of the first coat if this is practical. Allow two to four hours drying time between the first and second coats making sure the first coat is dry to the touch or will support equipment without tracking before the second coat is applied. It is recommended that coated surface be allowed to dry 24 hours before opening traffic. Painting and striping can be applied as soon as the sealer is dry.

For ease of application in hot weather, air temperatures exceeding 95 degrees Fahrenheit, the surface should be fogged with water immediately prior to sealer application. Ambient temperatures should be at least 60 degrees and rising and below 110 degrees for Ace Seal HD application. Ace Seal HD should not be applied in temperatures below 60 degrees, or when ambient temperatures are forecast to be 40 degrees Fahrenheit or lower during the next 48 hours. Ace Seal HD should not be applied when rain is imminent or forecast within the next 48 hours. Ace Seal HD that is applied in temperatures below 70 degrees will take longer to cure and will be more sensitive to water until cured.

COVERAGE:

Depending on the porosity and roughness of the surface and the method of application, coverage for a two coat application will vary between 25 and 45 square feet per gallon.

GENERAL:

Sealed surfaces can be painted as soon as sealer is dry enough to allow traffic without tracking. Concentrated Ace Seal must be kept from freezing. Wash tools in water after use. Use mineral spirits to clean tools if material has dried. Containers should be kept tightly closed when not in use.

WARRANTY:

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