



**DESCRIPTION:** **RHINO SEAL** is an acrylic modified asphalt emulsion especially formulated to use as an effective PRIMER and SEALER for problematic asphalt surface conditions. It is a fast drying, self-curing, water based seal coat that bonds well to surfaces contaminated by oil, grease, fuel, etc., as well as, to polished, smooth aggregates in the pavement. This product is designed for use on asphalt to help protect against water penetration, oxidation and deterioration of asphalt surfaces.

**USE:** **RHINO SEAL** is designed as a finished seal coat for residential driveways and commercial parking area applications such as; fast food restaurants, banks, apartment complexes, schools, shopping malls and commercial complexes. It is used to prevent and repair raveling and segregation on new asphalt due to the lack of asphalt binder. **RHINO SEAL** is an opaque, cosmetically black product used to "black out" existing striping or markings prior to seal coating. It is also used as an oil spot primer.

**PACKAGING:** 5 U.S. gallon pails      55 U.S. gallon drums      250 U.S. gallon palletized poly-totes      Bulk

**COVERAGE:** When used as the primary seal coat, **RHINO SEAL** concentrate will be diluted with additional 50 % water. Coverage for heavy porosity (open grade) asphalt: 75 ft<sup>2</sup> when uniformly spray applied. Moderate porosity (50% or less open grade) asphalt: 85 ft<sup>2</sup> when uniformly spray applied. Light porosity (retaining all fines) asphalt: 100 ft<sup>2</sup> when uniformly spray applied.

**PRODUCT PREPARATION:** Stir or re-circulate thoroughly before using. Do not apply when temperatures are below 60 F. Do not apply if rain is expected within 24 hours of application. Close container when not in use. Do not freeze. Do not store containerized sealer in direct sunlight or above 100 F.

**SURFACE PREPARATION:** Asphalt preparation includes repairing or removing any surface defects and patching with hot mix or an approved acrylic modified cold mix and allowed to cure. Clean and seal cracks 1/4" and larger. Treat oil, grease and gasoline stains with **RHINO SEAL** as an oil spot primer. Final preparation includes power sweeping and pressure washing when necessary to remove loose materials such as leaves, stones, dirt and dust.

**APPLICATION METHOD:** **RHINO SEAL** can be applied with a brush coater or spray. A single coat is sufficient for most applications. If called for, a second coat can be applied after the first coat is dry to the touch. A consistent application will normally use one mixed gallon for 75-100 ft<sup>2</sup> of coverage based on surface texture.

**CURING:** **RHINO SEAL** can accept foot traffic in as little as 1/2 hour after application under optimal conditions. At 60°F and 75% humidity, cure time is approximately three hours. Shaded areas may delay curing time depending on nighttime temperature and humidity.

**SAFETY PRECAUTIONS:** Wear approved personal protective gear while cleaning and applying **RHINO SEAL**. Generally, **RHINO SEAL** is odorless and non-irritating. Refer to the Material Safety Data Sheet for complete health and safety information.

**PROPERTIES OF RHINO SEAL**

Emulsion type (ASTM D-2937 modified)	Anionic SS1-H Asphalt Emulsion
Pound per gallon (ASTM D-244)	8.3 to 8.7
Residue by distillation, % by weight	50 %
Viscosity @ 77 degrees fahrenheit	50 – 100
Sieve, 20 degree mesh & retained	0.5 max
Penetration of residue, dmm @ 77 degrees fahrenheit	8 – 20
Tensile and elongation properties (14 day room temperature cure)	
% elongation @ maximum stress	40 – 500
% of elongation @ break	80 – 1200
Tensile strength (psi)	7 – 15
Recovery from 25% elongation	15 – 30
Color	Dark Black

**WARRANTY:** Complete details on reverse side of this data sheet.

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# **SPECIAL ASPHALT PRODUCTS, INC. AND MANUFACTURER'S LIMITED WARRANTY**

Special Asphalt Products, Inc. and Manufacturer warrants its products with the following conditions:

## **WHAT IS COVERED**

Special Asphalt Products, Inc. warrants that according to internal laboratory testing this product meets applicable product specifications at the time of shipment as described in the applicable Product Specification in this Product Data Sheet. Special Asphalt Products, Inc. does not warrant that internal test results will be duplicated by other laboratories. The warranty period is one year commencing from the date of original shipment or three months from the date of use of the product, whichever occurs first, or said claims are barred.

## **WHAT IS NOT COVERED**

Special Asphalt Products, Inc. assumes no liability for product failure due to improper installation or application, misuse, equipment failure, operator error or use of product with incompatible materials. Due to the unpredictable nature of site and substrate conditions, it is the buyer's and user's responsibility to determine and thoroughly confirm fitness and compatibility for use and to determine suitability of performance, efficacy and safety.

IN NO EVENT SHALL SPECIAL ASPHALT PRODUCTS, INC. BE LIABLE FOR INDIRECT, INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OR LOSSES REGARDLESS OF THE THEORY OF LIABILITY EITHER WHILE UNDER WARRANTY OR THEREAFTER.

## **REMEDIES**

Your sole and exclusive remedy for any failure of the product to meet specifications and/or breach of any applicable warranty is limited, at Special Asphalt Products, Inc. option, to full or partial refund of the original purchase price of the product or replacement of the product if determined by Special Asphalt Products, Inc. to be other than warranted. This shall be your sole and exclusive remedy whether in contract, tort or otherwise.

## **ADDITIONAL LIMITATIONS**

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. TO THE EXTENT PERMITTED BY APPLICABLE LAW, Special Asphalt Products, Inc. SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY IMPLIED WARRANTY REQUIRED BY APPLICABLE LAW SHALL BE LIMITED IN DURATION TO THE EXPRESS WARRANTY TERM.

## **GOVERNING LAW**

THIS WARRANTY SHALL BE INTERPRETED, AND THE RIGHTS AND LIABILITIES OF THE PARTIES HERETO DETERMINED, IN ACCORDANCE WITH THE LAWS OF THE STATE OF OREGON.