



W. R. MEADOWS.

SEALTIGHT

DATA SHEET NO. 2900-1109

1109 PRO-SEAL Asphalt Sealer

DESCRIPTION

1109 PRO-SEAL is a combination of specially refined asphalt emulsion, selected fibers, mineral filler, polymer modifiers, and pigments. 1109 PRO-SEAL forms a tough, ductile, protective coating to an asphalt-wearing surface. 1109 PRO-SEAL seals and protects asphalt pavement from the damaging effects of moisture, oxidation, and freeze-thaw cycles.

USES

1109 PRO-SEAL is designed for driveways and commercial parking area applications, such as fast food restaurants, apartment complexes, schools, shopping malls, and commercial complexes, and also for segregation on new asphalt. 1109 PRO-SEAL not only protects but beautifies - makes old asphalt look like new.

PACKAGING

18.9 Litre Pails
208 Litre Drums

COVERAGE

Coverage is approximately .86 m²/L (35 ft.²/gal.) for commercial application and 1.23 m²/L (50 ft.²/gal.) for residential application, depending on porosity of the surface. Multiple coats are recommended. Allow up to 24 hours curing time between coats.

SHELF LIFE

When stored indoors in original, unopened containers at temperatures between 4° - 32° C, optimum performance and best use is obtained within one year of date of manufacture.

APPLICATION

Surface Preparation ... Asphalt preparation includes repairing or removing any surface defects and patching with hot mix. Potholes should be filled with 1170 ROAD REPAIR from W. R. MEADOWS and allowed to cure. Clean and seal cracks 5 mm and larger. Treat oil, grease, and gasoline stains with A-500 OIL SPOT PRIMER from W. R. MEADOWS. Final preparation includes power sweeping and pressure washing area to be sealed to remove loose materials, such as leaves,

stones, dirt, and dust. If dirty surfaces are not properly cleaned, the sealer cannot bond or grip to the surface and de-bonding of the coating will occur. Sources of water runoff, such as landscape irrigation, should be shut off, and the asphalt surface must be completely dry prior to application.

Application Method ... Stir thoroughly before using. 1109 PRO-SEAL can be applied by hand squeegee, mechanical applicator, or approved spray application equipment. For a porous surface, add .45 kg silica sand per 3.78 L. Stir thoroughly. Minimum application temperature is 20° C and rising. Minimum surface temperature is 20° C and rising with no rain forecast for up to 24 hours. Coating should have time to dry before rain or dew can damage. 1109 PRO-SEAL should be allowed to cure for 24 hours before opening to traffic. To enhance sealer performance, add A-625 FAST DRY copolymer emulsions from W. R. MEADOWS. Mix at a rate of 3.78 L to one 208 L drum. Stir thoroughly before using. 1109 PRO-SEAL is best mixed using a 12.7 mm speed drill with mixing paddle. Asphalt surface must be dry prior to application. New (less than 60 days old) or oxidized surfaces should be prime-coated with 1109 PRO-SEAL and diluted 100% (1:1) with water prior to the application of the first coat of sealer.

Cleanup ... While still wet, clean tools and equipment with soap and water. Use diesel fuel if material has dried.

PRECAUTIONS

Do not freeze. Keep out of reach of children. In case of skin contact, wash thoroughly with soap and water. Do not store containerized sealer above 38° C. Do not expose containerized sealer to open flame. Refer to Safety Data Sheet for complete health and safety information.

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TECHNICAL DATA

Type (ASTM D-2397 & AASTO M208)	CSS1-H Asphalt Emulsion & Selected Fillers
Color when dry	Black
Odour	Mild
Uniformity (ASTM D-977-91 & 97 & AASHTO M140-88)	Homogenous
Pounds per gallon (ASTM D-244)	10.5±
Residue by evaporation (ASTM D 2939)	55% - 60%
Flammability (ASTM - MNL #9)	Non-Flammable
Effect of freezing (While in Liquid Storage State)	Damaging
Cone Penetration @ 25° C (ASTM D-217)	Passes
Wear/Scrub Resistance (D-2486-Modified):	
Unconditioned 6,000 cycles minimum	Passes
Conditioned 4,000 cycles minimum	Passes
Wet track abrasion test after six day water soak (ISSA-A105-T100)	6.12 gm. per ft. ²
VOC Content:	0 g/L

SOURCES: AASHTO, ASTM, ISSA

MASTERFORMAT NUMBER AND TITLE

32 12 36.13 – Asphaltic Seal and Fog Coats

LEED INFORMATION

May help contribute to LEED credits:

- IEQ Credit 4.2: Low-Emitting Materials: Paints & Coatings
- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials

For most recent data sheet, further LEED information, and SDS, visit www.wrmeadows.com.

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