

STAR-SEAL

ASPHALT PAVEMENT SEALER

Protection:

STAR-SEAL® is a heavy-duty refined sealer that is specifically designed to protect bituminous pavements. Composed of select mineral fillers and surfactants, STAR-SEAL® forms a tough, durable and flexible coating that protects asphalt pavements from the damaging elements of weather, water, salts, gas and other petro-chemicals.



Appearance:

The dark charcoal black color of STAR-SEAL® improves the appearance of new and old asphalt pavements. Unprotected asphalt surfaces gradually lose their rich black color due to oxidation and weathering. STAR-SEAL® preserves the smoothness and resilience of asphalt surfaces and helps hide rough spots, small cracks, patches and surface depressions. Pavements coated with STAR-SEAL® look cleaner because rainfall washes dirt and debris easily from the smooth, non-porous surface. Traffic lines become more visible.

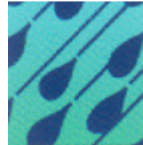
Economy:

STAR-SEAL® substantially reduces maintenance costs and at the same time, extends the life of asphalt pavements by as much as 300%. The cost of STAR-SEAL® is truly a minor expense when compared to the cost of pavement replacement. STAR-SEAL® also greatly extends the life of existing sound pavements.



Resists Fuel Penetration

Resists gas, oil, salt and chemical penetration. Asphalt is a petroleum derivative, soluble in distillates such as gas, jet fuel and oil drippings. STAR-SEAL® prevents damage from distillates and chemicals.



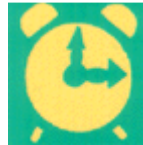
Prevents Water Penetration

The intrusion of moisture into asphalt pavement structure accelerates its deterioration and is strongly related to pavement distress. The sealing of well-cured asphalt with STAR-SEAL® prevents the seepage of moisture from snow and rain, thus preventing damage from freeze-thaw cycles.



Stops Oxidation

Actinic rays in sunlight can oxidize the asphalt oils in pavement, causing brittleness and a resulting loss of aggregates which may rob up to 50% of the original asphalt thickness in just five years. A pavement sealcoated with STAR-SEAL® will resist oxidative degradation and retain its value.



Reduces Costs & Increases Value

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Application:

STAR-SEAL® must be applied to structurally sound pavements by experienced applicators. Asphalt pavement should be protected by two coats of STAR-SEAL® when spray applied, however, the quantities and coverage rates must conform to manufacturer's detailed specifications. Average coverage rates are 0.18 to .20 undiluted gallons per square yard. STAR MACRO-FLEX®, latex additive and silica sand may be added for increased traction and durability.

Specifications and Standards:

STAR-SEAL® meets or exceeds...Federal Government Specification RP-355e (GSA-FSS), June 1987. U.S. Air Force and F.A.A. specifications State Specifications using coal tar emulsions for government projects and bridge decks. American Society for Testing and Materials (ASTM) D-3320-74T and D-490, COKE oven tar specification.