

AMS Seal SP Plus™

Anionic Medium Setting Polymer Modified Patching Emulsion

PRODUCT DESCRIPTION

AMS Seal SP Plus™ is a high performance, medium set asphalt emulsion designed for spray patch repairs of asphalt and concrete pavements in very hot months or climatic conditions or high ADT conditions. It is designed for and ideally used in DuraPatch machines or similar units.

AMS Seal SP Plus™ is designed to exceed agency specifications and to provide effective patching, large crack sealing, and failing pavement joint binders. Contact your technical representative for storage and handling instructions of polymer modified asphalt emulsions.

AMS Seal SP Plus™ can be used for the maintenance of roads and other asphalt pavements such as pothole patching and other spray seal patch operations. It is also suitable for minor chip seal or bar seal applications.

Mix Design: Use full strength. For a typical spray patch application, material can be sprayed in alternating layers of binder and aggregate to produce a uniform sealed surface, with cover aggregate as last layer.

Features/Benefits

- Polymer Modification
- Economical
- Stability and long shelf life
- Good pretreatment for chip seal or other surface treatments
- Compatibility with a variety of aggregates
- Versatility

Availability: Bulk available at terminal or tanker load delivery; typically, from April through October. Totes available by request.

Application

Optimum application of AMS Seal SP Plus™ occurs when the pavement temperature is 50°F and rising*. It can be applied in high humidity but this will prolong the break time. Vehicular traffic should be kept off of the treatment until the emulsion is cured. The area to be treated should be free of standing water, debris, and oils. Aggregate should be clean and free of fines or dust for the best adhesion results and performance of patching equipment.

*Cure time can vary with environmental conditions.



Spray Patch Emulsion Handling Guidelines

- Apply at 150°F to 160°F
- At the end of each day's use empty unit of emulsion/asphalt.
- Using small amounts of diesel flush applicator piping and lines at the end of each day's use.
- To heat emulsion gently use non-direct contact heating methods
- Direct contact heat should only be done when absolutely necessary. This should be done sporadically and with recirculation or agitation if possible. Note: Emulsion which directly contacts any heat source above 210°F will experience break and separation.
- Periodic agitation may be required to prevent separation of polymer.
- Emulsion separation will occur if frozen or boiled.

MAINTENANCE

Tools and equipment may be cleaned with a suitable asphalt cleaner.

SPECIFICATIONS – TECHNICAL DATA

AMS Seal SP™

<u>Emulsion Tests</u>	<u>Specification</u>	<u>Typical Results</u>
Viscosity, 50°C, SFS	75 – 400	130
Residue by Distillation, %, min	62	65.0 +/- 3.0
Demulsibility, %, min	40	50 +
Penetration, dmm	75-130	75 - 110
Softening Point R&B, °C, min	40	45 +
Elastic Recovery, 10°C, 10 cm, %, min, T-301/D6084	45	50 +

AWARD WINNING ASPHALT PAVING & SUPPLY SINCE 1959

Michigan Paving & Materials Co.

1950 Williams St.
Alma, MI 48801

Tel: 989-402-5932



Michigan Paving & Materials Co.

3125 E Front Street
Monroe, MI 48161

Tel: 734-241-9189