

READ BEFORE USING THIS PRODUCT

GENERAL DESCRIPTION

ACTION PAVE[®] RT AVIATOR is designed as a concentrated, premium-grade, refined coal tar emulsion (water based) sealer used for Airport jobs which require meeting the FAA P-631 specification. ACTION PAVE[®] RT AVIATOR is superior to other conventional FAA P-631 mix design sealers because, as supplied, the sealer already contains the polymer necessary to meet FAA P-631 specifications. The polymer is "Hot Blended" during the manufacturing process to ensure that it is fused into the refined tar. The superiority of ACTION PAVE[®] RT AVIATOR has been well established in the field for nearly two decades. ACTION PAVE[®] RT AVIATOR has been certified by an independent testing laboratory, and compliance certification to FAA specifications is available upon request. ACTION PAVE[®] RT AVIATOR has toughness and flexibility as well as resistance to kerosene, gasoline, oil, chemicals, and de-icing salts. ACTION PAVE[®] RT AVIATOR is available in a variety of forms including concentrate, ready mix, sand mix & sand ready mix. The combination of state-of-the-art technology in manufacturing and raw material selection translates into the following outstanding properties. VOC ≤ 50 g/L

OUTSTANDING PROPERTIES

- A Unique Product – No other product on the market has employed this highly effective manufacturing approach, yielding far superior performance than conventional FAA mix designs.
- Excellent Durability – ACTION PAVE[®] RT AVIATOR delivers elite performance demanded by engineers adhering to FAA specifications.
- Superior Flexibility – Ability to bridge minor surface (non-working) cracks in the pavement to eliminate water penetration and extend the life of runway, tarmac, and apron surfaces.
- Dries to an appealing dark charcoal color that enhances the visibility of airfield markings. Snow removal becomes easier and runway markings last longer.
- Allows Mix Design Consistency – Polymer is a critical component in FAA mix designs. Factory blending of the polymer in ACTION PAVE[®] RT AVIATOR assures the accuracy of the mix.

SPECIFICATION CONFORMANCE

Crafco ACTION PAVE[®] RT AVIATOR meets all requirements of Federal Specification R-P-355e and ASTM Specification D5727, "Standard Specification for Emulsified Refined Coal Tar (Mineral Colloid Type), and exceeds requirements of ASTM D3320, "Standard Specification for Emulsified Coal-tar Pitch (Mineral Colloid Type). ACTION PAVE[®] RT AVIATOR can be used as the base material for meeting testing requirements of ASTM D4866, D6945 and D6946.

Test

Uniformity

Wet Film Continuity

Resistance to Freezing

Density, 25 °C (77 °F)

Residue by Evaporation

Water Content

Resistance to Volatilization

Solubility of Residue in CS₂

Ash Content of Residue

Drying time, firm set

Resistance to Heat

Resistance to Kerosene

Resistance to Water

Flexibility

Impact Resistance

ASTM D5727 and

Fed R-P-355e Spec. Limits

No Separation, coagulation, or settlement that cannot be overcome by moderate stirring

Uniform homogeneous consistency

Return to homogeneous when stirred

1.2 g/ml (10 lbs./gal) minimum

47% minimum

53% maximum

10% maximum

20% minimum

30-40%

8 h maximum

No blistering, sagging, slipping

No adhesion loss, penetration, or film softening

No adhesion loss, blistering, or re-emulsification

No flaking, cracking, or adhesion loss

No chipping, flaking, cracking, or adhesion loss more than

6.4 mm (1/4 inch) beyond the periphery of the impact

RECOMMENDED USES

ACTION PAVE[®] RT AVIATOR is recommended for all airfield asphalt pavement surfaces, including runways, taxiways, fueling areas, aprons, and vehicle parking lots.

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MIX DESIGN RECOMMENDATIONS

Important - Consult FAA Specifications P-630 & P-631 for mix design and application rate. All mix designs must include clean, quartz, angular sand. The following is recommended mix design for ACTION PAVE[®] RT AVIATOR and fall within the limits of Table 2 of P-631.

Application	Refined Coal Tar Emulsion Gallons (Liters)	Water Gallons (Liters)	Additive Gallons (Liters)	Aggregate pounds (kg)	Formula Rate of Application of Mix per Square Yard	
					Minimum Gallons (Liters)	Maximum Gallons (Liters)
1 st Sealer Coat	100 (379)	25 – 40 (95 – 151)	Pre-blended*	300 – 600 (136 – 271)	0.12 (0.54)	0.20 (0.91)
2 nd Sealer Coat	100 (379)	25 – 40 (95 – 151)	Pre-blended*	300 – 600 (136 – 271)	0.12 (0.54)	0.20 (0.91)

*Additive pre-blended at manufacturing plant at levels required by FAA P-631.

IMPORTANT WEATHER LIMITATIONS FOR APPLICATION

- Surface and air temperature should be a minimum of 50 °F (10 °C) and rising.
- Do not apply on rainy, foggy, or extremely humid days, or when rain is in the forecast within 24 hours.
- If the pavement temperature is above 100 °F (38 °C), dampen the pavement with a fine mist of water to facilitate even spreading. Do not allow water to puddle on the surface.

APPLICATION TOOLS

- Use conventional tools: Brush, rubber squeegee, or spray rig.
- Clean up with water. Do not discard washings in the bodies of water or down sewer drains.
- Dried sealer on tools: Wire brush, scrape, and peel.

INSTALLATION

Prior to use, user must read and follow Installation Instructions for ACTION PAVE[®] RT AVIATOR to verify product selection, pavement preparation procedures, mixing, application rates, usage precautions and safety procedures. General guidelines are as follows: Preparatory Work — The asphalt surface must be structurally sound, surface cured, and free from all loose or foreign matter prior to the application of ACTION PAVE[®] RT AVIATOR. ACTION PAVE[®] RT AVIATOR can be applied by spray, rubber-bladed squeegee, brush, or mechanical equipment specifically designed for this purpose. Due to the heavy bodied nature of the slurry-mixed ACTION PAVE[®] RT AVIATOR, application by means of specialized equipment is recommended. This equipment can be of two types, high volume positive displacement airless spray or mechanical squeegee. Both types must be capable of keeping material thoroughly mixed and homogenous throughout the application process. All equipment used must be capable of supplying a sufficient quantity of material for uniform application over the entire width of the application mechanism to provide a uniformly coated surface.

CURING TIME

Cure time will vary according to temperature and humidity at the time of application. Insufficiently cured films wear prematurely. Lower temperatures, high humidity and lack of direct sunlight will prolong the cure time. Higher temperatures, lower humidity and direct sunlight accelerate the cure process. If a second coat is to be applied, allow the first coat to dry sufficiently to withstand light vehicular and pedestrian traffic without damaging or scuffing the coating. After the application of the last coat, allow the coating to cure at least 20-24 hours under good drying conditions prior to opening to traffic.

SPECIAL INSTRUCTIONS

Apply only on unsealed asphalt or surfaces previously sealed with LP, Asphalt Emulsion or Refined Tar based sealers. Do not apply over surfaces sealed with gilsonite and other solvent-based sealers. New asphalt pavements must be allowed to cure at least 90 days in hot weather. Perform a water break free test, by spreading water on the pavement, to confirm that the surface oils have dissipated. If the water does not bead, pavement is ready for sealcoating. Not recommended for steeply inclined surfaces, as they may become slippery when wet.

CAUTIONS

KEEP FROM FREEZING / KEEP OUT OF REACH OF CHILDREN

Contains REFINED COAL TAR. May cause skin irritation. Wear gloves and protective clothing. In case of contact, flush skin, or eyes immediately with fresh water. If the product gets in the mouth or eyes, see a physician immediately. Consult the Safety Data Sheet for details.

PACKAGING AND AVAILABILITY

55-gallon drums & 275-gallon plastic totes, and bulk sold by the gallon.

WARRANTY

ACTION PAVE[®] RT AVIATOR is warranted by the manufacturer to meet specification requirements at time of shipment. Techniques used for pavement preparation prior to sealer application are beyond manufacturer control as are use and application of sealer; therefore, the manufacturer shall not be responsible for improperly applied or misused sealer. Remedies against the manufacturer are limited to replacing nonconforming product or refund (full or partial) of purchase price. All claims for breach of this warranty must be made within three (3) months of delivery date. There shall be no other warranties expressed or implied. **For optimum performance, follow recommendations for sealer installation.**