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www.crafco.com

READ BEFORE USING THIS PRODUCT

GENERAL DESCRIPTION

ACTION PAVE[®] 70 30 BLEND is a heavy-duty, concentrated, blend of asphalt and refined coal tar emulsion sealer specifically designed to protect and beautify asphalt pavements. ACTION PAVE[®] 70 30 BLEND is based on carefully selected grades of asphalt, refined tar, minerals, and specialty additives that are designed to get the durability of refined tar with environmentally friendly asphalt. ACTION PAVE[®] 70 30 BLEND has an extraordinary degree of toughness and water repellency, unmatched by any competitive sealer. ACTION PAVE[®] 70 30 BLEND forms a tough, durable, and flexible coating that protects asphalt pavements from the damaging elements of weather, water penetration, de-icing salts, traffic damage, surface raveling/checking, gasoline, and other petrochemicals. ACTION PAVE[®] 70 30 BLEND is recommended for use on many asphalt pavement surfaces, including home driveways, commercial parking lots, apartment complexes, restaurants, schools, truck terminals, airfield taxiways, parking areas, shoulders, and many more. ACTION PAVE[®] 70 30 BLEND is mixed on the jobsite with water and sand to provide proper application consistency, skid resistance, and wear resistance. Polymer additives may also be added at the jobsite for improved durability. ACTION PAVE[®] 70 30 BLEND 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

- Outstanding Toughness and Durability, low odor
- Superior Flexibility – Ability to bridge minor surface (non-working) cracks in the pavement to eliminate water penetration and extend the life of asphalt surfaces.
- Beautifies While It Protects – Dries to an appealing dark charcoal color that enhances the value of the property. Snow removal becomes easier and traffic markings last longer.

SPECIFICATION CONFORMANCE

ACTION PAVE[®] 70 30 BLEND meets the requirements listed below of ASTM Specification D5727, "Standard Specification for Emulsified Refined Coal Tar (Mineral Colloid Type)", Federal Specification R-P-355e, "Pitch, Coal Tar Emulsion (Coating for Bituminous Pavements)", and requirements of ASTM D3320, "Standard Specification for Emulsified Coal-Tar Pitch (Mineral Colloid Type)" when tested according to ASTM D2939.

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 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, 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

SURFACE PREPARATION

Clean the surface thoroughly to remove all foreign debris (dirt, gravel, silt, etc.) using air blowers or by flushing with water. Embedded dirt and silt shall be removed with steel bristle hand brooms. Remove dirt and debris from site, being careful to avoid upsetting existing landscaping and accumulating dirt in grass along asphalt areas.

GREASE AND OIL SPOTS Treat all grease and oil spots by scraping off excess oil and dirt with a wire bristle and coat with an oil spot primer. Oil spot primer or recommendations are available from CRAFCO SUPPLY CENTERS. The oil spot primer is supplied as a concentrate and should be diluted 2 parts water to 1 part primer. The primer shall be applied using brush or garden sprayer covering the oil spot and at least 2 inches of the asphalt surrounding the oil spot.

POTHOLES Repair potholes and damaged asphalt areas. Install cold patch or hot applied mastic material to minor potholes. Repair heavily damaged areas using full-depth asphalt repair. Saw cut and remove damaged asphalt. Repair base if necessary. Install asphalt mix and ensure proper compaction. HP patch is available from CRAFCO SUPPLY CENTERS.

CRACK SEALING Seal all cracks greater than 1/16 inch in width. Manufacturer installation instructions shall be followed for crack preparation, routing if required, overbanding, and application. Sealant choice is based on climate conditions and type of project. Contact your CRAFCO SUPPLY CENTER or Crafcoc representative for specific applications.

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MIX DESIGN RECOMMENDATIONS

ACTION PAVE[®] 70 30 BLEND is supplied in concentrated form, which is field mixed with water and sand prior to installation. Polymer additives may also be used to improve durability. Recommended application consists of using 2 coats in low and moderate traffic areas and using 3 coats in heavy traffic areas. Recommended mixture ranges per 100 gallons of Action Pave[®] AE are as follows:

Use Area	Water ¹ (Gallons)	Sand ² (pounds)	Polymer ³ (Gallons)
Low Traffic home driveways, parking lots, walkways, bike paths	20 – 30	100 – 200	0 – 3
Moderate Traffic airfields, highway shoulders	20 – 30	200 – 400	0 – 4
Heavy Traffic airfield taxiways, malls, commercial parking lots, service plazas	25 – 35	300 – 500	0 – 5

NOTES:

1. Water shall be clean and potable.
2. Sand shall be clean, angular quartz or slag sand meeting AFS 50-70 gradation, or equivalent.
3. Polymer shall be Macro-Flex, Max-Dri, Advantage 4 or equivalent.

Sand Slurry Preparation

Add the required amount of water to the sealer and mix thoroughly with mechanical agitation. Keep the agitator running at a moderate rate and add the sand in a steady stream of about 100 pounds per minute. Mix the material for 10 minutes. If the mixer is shut off for more than 10 minutes, such as on transport to the job site, mix 10 minutes before application can begin.

IMPORTANT WEATHER LIMITATIONS FOR APPLICATION

- Surface and air temperature should be a minimum of 50 °F (10 °C) and rising, and 130°F, (54 °C) maximum 10.
- 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 over 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 RECOMMENDATION

Use conventional tools including brush, rubber squeegee or spray rig. Clean up using water. Do not discard washings in bodies of water or down sewer drains. Clean dried sealer on tools using wire brushing, scraping, and peeling. Recommended application rates are as follows:

Use Area	Coats	Application Rate	
		gal/sq.yd	sq.ft/gal
Low Traffic home driveways, parking lots, walkways, bike paths	1 st	0.08 – 0.10	90 - 112
	2 nd	0.10 – 0.12	75 – 90
Moderate Traffic airfields, highway shoulders	1 st	0.10 – 0.12	75 – 90
	2 nd	0.12 – 0.15	60 – 75
Heavy Traffic airfield taxiways, malls, commercial parking lots, service plazas	1 st	0.12 – 0.15	60 – 75
	2 nd	0.12 – 0.15	60 – 75
	3 rd	0.12 – 0.15	60 – 75

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INSTALLATION

ACTION PAVE[®] 70 30 BLEND shall be applied in two coats in temperatures above 50°F. The first coat shall be a minimum of 0.08 – 0.10 gal/sq. yd and the second coat will be a minimum of 0.10 – 0.12 gal/sq. yd. The finished application will be a minimum of 0.18 gal/sq. yd. coating thickness based on undiluted material. Coat the edges of the area first to trim the area. Pour a continuous ribbon of ACTION PAVE[®] 70 30 BLEND along the pavement edge 6 – 12 inches from curbing. Draw ACTION PAVE[®] 70 30 BLEND mix away from the pavement edge by pulling a squeegee or brush perpendicular through the ribbon of material at a slight angle. Walk parallel to the pavement edge. Repeat the process in reverse direction, pulling the excess material toward the center of the pavement. Apply sealer over the remaining area using either a squeegee or a self-propelled machine that squeegees and brushes the sealer into the pores of the pavement. Allow the first coat to dry sufficiently to take light traffic scuffing. It will take 2-6 hours depending on drying conditions. After trimming for the second coat, use a machine with spray wand or spray bar apparatus that deposits the material according to the coverage rates recommended. The spray application will take out any squeegee marks and give a uniform appearance. The completed application shall be allowed to cure at least for 24 hours and then tested for trafficability prior to opening for regular use. Quantities of the material will vary according to the porosity and texture of the pavement.

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

ACTION PAVE[®] 70 30 BLEND must be applied on structurally sound pavement surfaces. Apply only on unsealed asphalt or surfaces previously sealed with either Asphalt Emulsion, Refined Tar based Sealers or LP based sealers. Do not apply it 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 to confirm that the surface oils have dissipated, by spreading water on the pavement. If the water does not bead, the 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
- Keep stored containers sealed tightly.
- 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

Bulk sold by the gallon.

SAFETY PRECAUTIONS

It is essential that operations be conducted safely. All personnel need to be aware of hazards. Before use, the crew should read and understand product use and safety information on the Safety Data Sheet. Safety precautions should include:

1. Personal protective clothing.
2. Careful operation of the application equipment.
3. Traffic and pedestrian control measures that meet or exceed MUTCD requirements.
4. Appropriate cleanup of excessive applications or product spills.
5. Safety Data Sheets.

WARRANTY

ACTION PAVE[®] 70 30 BLEND is warranted by the manufacturer to meet specification requirements at the 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 products 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.**