

SPECTRUM ACRYLIC PAVEMENT SEALER

Excellent durability! Star Spectrum[®] has been proven as a viable alternative to many traditional asphalt and concrete pavement coating products.

SPECTRUM BRIGHTS

LILY WHITE Pure Titanium White

LEMON YELLOW Similar to Pantone 395 Yellow

BIKE LANE GREEN Similar to Pantone 375 Green

OCEAN BLUE Similar to Pantone 300 Blue

CONCORD PURPLE Similar to Pantone Violet

PEPPERMINT PINK Similar to Pantone 205 Pink

HOT ROD RED Similar to Pantone 711 Red

SPECIALTY TECHNOLOGY AND RESEARCI

A Bright New Product That Protects, Beautifies And Extends The Life Of Your Asphalt Pavement.

SPECTRUM STANDARDS

Sumply Brill

SKY BLUE Similar to Pantone 632 Blue

SEA FOAM GREEN Similar to Pantone 326 Green

FAIRWAY GREEN Similar to Pantone 364 Green

SALMON ORANGE Similar to Pantone 165 Orange

MAGENTA Similar to Pantone 207 Red

COOL GRAY Similar to Pantone 6 Cool Gray

STANDARD BLACK Dries to a Rich Black Color Magnificent vibrant color! Star Spectrum[®] protects pavement surfaces with colors that will resist fading and weathering with time, providing beauty <u>and</u> protection.



SPECTRUM NATURALS

SAGE GREEN Similar to Pantone 349 Green

BRICK RED Similar to Pantone 180 Red

DARK GRAY Similar to Pantone 430 Gray

SAHARA TAN Similar to Pantone 728 Brown

LIGHT BROWN Similar to Pantone 477 Brown

SUEDE BROWN Similar to Pantone 7610 Brown

CUSTOM COLOR MIX Custom Colors are Available

1150 Milepost Road 📥 Columbus, OH 43228

800-7/59-1912

www.starseal.com



Protects, Beautifies And Extends The Life Of Your Asphalt Pavement.

Detailed Application Specifications

1.0 OBJECTIVE

- 1.1 This specification covers the application of STAR SPECTRUM® a 100% Acrylic latex based specialty decorative and protective coating system designed for low to medium traffic bearing asphalt and concrete surfaces; special traffic situations, bike lanes, play areas, theme parks and home driveways are all good applications for STAR SPECTRUM®
- 1.1.1 STAR SPECTRUM® is used to extend the service life of asphalt and concrete pavements by providing protection from elements of weather, de-icing salts and petrochemicals that attack and degrade those pavements for example:
 - a) The sun's ultraviolet rays, which result in oxidative decomposition.
 - b) Deteriorating effects of de-icing salts, oils, gasoline, and grease.
 - c) Water and subsequent damage to the sub-base caused by water penetration through porosity, cracks and surface defects.
- 1.2 STAR SPECTRUM[®] will beautify and enhance the appearance of asphalt and concrete surfaces with colors not seen in pavement protection before.
- 1.3 STAR SPECTRUM® will reduce maintenance costs and extend the service life of asphalt and concrete surfaces.
- 1.4 STAR SPECTRUM® will fill minor surface imperfections, small cracks and yield an even looking surface coating.
- 1.5 STAR SPECTRUM[®] will enhance the visibility of traffic control and safety of the pedestrian traffic.

2.0 MATERIALS

- 2.1 STAR-SPECTRUM®, is based on 100% acrylic latex polymers, inert fillers and specialty chemicals. STAR SPECTRUM® is environmentally friendly and is non toxic.
- 2.1.1 The material is homogeneous and will show no separation or coagulation components that can not be re dispersed with moderate stirring.
- 2.1.4 The material shall be suitable for application and complete coverage, by squeegee, brush or by approved mechanical methods, to the bituminous and concrete surface at a spreading rate of approximately 0.11 0.20 gallon of the MIXED sealer per square yard (1.83-2.0 sq. meter/liter) in single (1) coat or two (2) coat application system.
- 2.2 Physical Properties and Constants According to well known and well established ASTM D 5727 a Refined Tar Specification and also ASTM D 2939 an Asphalt Emulsion Specification for comparison purposes:

PROPERTIES & CONSTANTS	TEST METHOD	SPECIFIED LIMITS	STAR SPECTRUM®	STATUS
Solids, % By Weight	ASTM D5727	Min. 47-53%	49% (+/-) 1	Passes
Ash % NVM (Solids) By Weight	ASTM D5727	30-40%	37% (+/-) 1	Passes
Specific Gravity 25/25° C	ASTM D5727	Min. 1.2	1.12 - 1.20	Passes
Drying Time, Hrs.	ASTM D5727	Max. 8 Hrs.	.5 to 1.5 Hr.	Passes
Flexibility	ASTM D2939	Bend Test on 1" Mandrel	No Cracking or Flaking	Passes
Resistance to Heat	ASTM D2939	176° +/- 5° for 2hr.	No Blistering, Sagging, Slipping	Passes
Redispersibility	ASTM D2939	No Settlement/Segmentation	Readily Dispersed When Mixed	Passes
Resistance to Water	ASTM D2939	No Loss of Adhesion/Blistering	No Reemulsification	Passes
Resistance to Impact	ASTM D2939	No Chipping or Cracking	No Loss of Adhesion	Passes

2.3 Sand / Aggregate Specifications

2.3.1 Sand shall be clean, hard and irregular silica sand, free of clay, dust, salt, and organic matter. It must meet the following gradation:

U.S. Sieve Size		Percentag Minimum	e Retained Maximum
No. 20 or coarser	(0.850 mm)	0	0
No. 30	(0.600 mm)	0	5
No. 40	(0.425 mm)	7	25
No. 50	(0.300 mm)	15	50
No. 70	(0.212 mm)	20	40
No. 100	(0.150 mm)	3	30
No. 140	(0.106 mm)	0	10
No. 200	(0.075 mm)	0	7

2.4 Water Specifications

- 2.4.1 Water shall be clean and potable, free of harmful soluble salts, within a temperature range of 50-80° F (10-20° C).
- 2.4.2 Check water for compatibility with the emulsion by mixing a small amount of the emulsion in a can. The materials should be mixed for 2 to 3 minutes with a stirrer and then poured through a pre-wetted 150 µm sieve. If more than 1% by weight of material is retained on the sieve, the water is not compatible and clogging in spray jets may result.

2.5 Additives Specifications

- 2.5.1 Additives are NOT recommended by the manufacturer for STAR SPECTRUM®
- 2.6 Crack Filler Specifications

2.6.1 Any crack filler/sealer must be certified by the supplier for compatibility with the sealcoating material. Cold pour crack fillers manufactured by STAR[®] such as STAR STA-FLEX[™], STAR STA-FLEX TROWEL GRADE[™] and STAR SURE-FLEX[™] are recommended. Hot pour rubberized crack fillers such as STAR ELASTO-BOND[™] may also be used successfully.

2.7 Primer Specifications

- 2.7.1 Oil spot primers must be certified by the sealcoat manufacturer for compatibility with STAR SPECTRUM[®]. STAR SPECTRA-PRIME[™] or STAR S.O.S. Sealer[™] oil spot primer/ sealer is compatible and recommended.
- 2.7.2 STAR SPECTRA-PRIME[™] is a specialty water based primer that creates an affirmative bond between the polished aggregate and STAR SPECTRUM[®].

3.0 SURFACE PREPARATION

- 3.1 Important: ALL SURFACE PREPARATIONS AND CLEANING MUST NOT EXCEED 24 HOURS PRIOR TO THE APPLICATION OF STAR SPECTRUM[®]. All surfaces shall be clean, free of dirt, mold, mildew, debris, and contamination by oil and grease, for the optimum performance of STAR SPECTRUM[®].
- 3.1.1 New asphalt pavement surfaces must have time to properly cure so that there is no concentration of oils on the surface. A period of 90 days at 70° F+ (21° C+) daytime temperatures must elapse between the placement of the hot-mixed asphaltic concrete surface course and the application of the sealcoating. Check the suitability of the asphalt pavement by performing a "water-break-free" test; Cast one gallon of potable water onto the surface, the water should sheet out without crawling, beading or showing oil rings confirming that the surface oils have oxidized and dissipated.
- 3.1.2 The surface must be cleaned thoroughly to remove all foreign debris (dirt, dust, silt, vegetation, etc.) using air blowers or by flushing with water. Embedded dirt and silt will need to be removed with steel bristle hand brooms or with the careful use of pressure washers. Remove mold and mildew with a bleach wash or any other suitable method. Mudded areas need to be thoroughly scraped and carefully pressure washed with clean water. Time must be allowed for the surface to dry before applying STAR SPECTRUM[®].
- 3.1.5 Treat all grease and oil spots by scraping off the excess oil and dirt with a wire bristle broom and coat with STAR SPECTRA-PRIME[™] or STAR S.O.S. SEALER[™] a clear oil spot primer/sealer in accordance with directions. STAR SPECTRA-PRIME[™] is recommended for all areas contaminated extensively with oil, grease, fuel, tree saps etc. or areas with highly polished aggregate surfaces that can create challenging adhesion situations for sealcoatings.
- 3.1.6 Make all necessary pavement repairs; patch soft spots, fill and seal all cracks, properly patch pot holes and level any "bird baths". All patched areas must be cured before applying STAR SPECTRUM[®]. For concrete use a latex based, paintable crack filler.
- 3.1.7 Treat old or badly oxidized asphalt pavement with STAR® SPECTRA-PRIME™
- 3.1.8 IMPORTANT: Polished aggregate in certain pavement sections (entrance/exits, high traffic lanes, etc.) may pose a special challenge for the proper bonding of STAR SPECTRUM[®] to the pavement. The use of STAR SPECTRA-PRIME[™] is recommended for such situations. Apply STAR SPECTRA-PRIME[™] at 0.04-0.05 gallons per square yard or 180- 225 sq. ft/gallon (4.4-5.5 sq. meter/liter).
- 3.2 Concrete Surfaces: For proper adhesion of STAR SPECTRUM[®], concrete surfaces must have a profile (roughness), and must be primed with STAR SPECTRA-PRIME[™]
- 3.2.1 ALL CONCRETE SURFACES MUST BE ETCHED to achieve the optimum performance by treating (etching) with muriatic acid/water (1/1 by volume). Muriatic acid reacts and removes the unreacted components (latence), thus rendering it suitable for proper bonding. The surfaces after etching must be thoroughly washed and allowed to dry sufficiently i.e. without any trace of dampness or surface moisture.
- 3.2.1 New concrete must be allowed to cure at least 28 days prior to application. New concrete shall be etched described as above.
- 3.2.3 Uncoated old concrete surfaces, both smooth and trowel finished must be etched.
- 3.2.5 Previously coated, stained, or sealed concrete surfaces: Remove all loose and peeling coating and de-gloss the surface by sanding with (150-200 grit sand paper) followed by general cleaning, washing, and priming (see 3.1).

4.0 MATERIAL USE RECOMMENDATIONS

4.1 Material Calculations

4.1.1 For pedestrian and low traffic areas apply one (1) coat;
 a) Material calculation for STAR SPECTRUM[®] CONCENTRATE at the total coverage rate of 0.09-0.10 gallons per square yard = 90-100 square foot per gallon (2.20-2.45 square meter per liter).

b) Material calculation for STAR SPECTRUM[®] MIXED with 5% water and 4 lbs. sand at the total coverage rate of 0.11-0.12 gallon per square yard = 75-82 square foot per gallon (1.83-2.00 square meter per liter).

4.1.2 For moderate traffic areas apply two (2) coats;

a) Material calculation for STAR SPECTRUM[®] CONCENTRATE at the total coverage rate of 0.14-0.16 gallons per square yard = 56-64 square foot per gallon (1.37-1.57 square meter per liter).

b) Material calculation for STAR SPECTRUM[®] MIXED with 5% water and 4 lbs. sand at the total coverage rate of 0.17-0.20 gallon per square yard = 45-53 square foot per gallon (1.10-1.30 square meter per liter).

First Coat Requires: 0.10-0.12 gal./sq. yard, (0.45-0.54 liter/sq. meter) Second Coat Requires: 0.08-0.10 gal./sq. yard, (0.36-0.45 liter/sq. meter)

4.2 Recommended Systems

INTENDED USAGE AREA	No. of COATS	STAR SPECTRUM	WATER	SAND	ADDITIVE	COVERAGE RATE
LOW TRAFFIC AREAS:		Gallon / Liter Concentrate	Gallon / Liter Clean/Potable	Lb. / Kg. 50/70 Sieve	Gallon / Liter	(Mixed Sealer) Gal/sq yd / Lt/sq mtr
Pedestrian Walkways, Driveways, Bike Lanes, Cart and Light Vehicle Paths	1	100 / 100	5/5	400 / 48	N/A	.1112/1.83-2.0
MODERATE TRAFFIC AREAS:						
Commercial Parking Areas, Sports Surfaces, Traffic Control Markings	1st. 2nd.	100 / 100 100 / 100	5/5 5/5	400 / 48 400 / 48	N/A N/A	.1012 / .4554 .0810 / .3645

4.3 Priming Prior To Sealcoating

- 4.3.1 Prime Coat See Section 3.2 for details on Priming and Surface Preparation
 - a) STAR SPECTRA-PRIME[™] Is the recommended primer. STAR SPECTRA-PRIME[™] is packaged as ready to use and should be applied at 0.05 to 0.08 gallons per square yard, 0.23-0.36 liter per square meter.

4.4 Sand Slurry Preparation / Addition Of Sand To The Mix Design

- 4.4.1 Before the addition of sand/aggregate, add the required amount of water to the sealer in the mixing tank and mix thoroughly.
- 4.4.2 SAND SLURRY PREPARATION
- 4.4.3 Keep the mixer running at a moderate rate.
- 4.4.4 Add the sand in a steady stream of about one 100 lb. bag per minute.
- 4.4.5 When adding sand, be sure you have firm footing and never place hands and arms in the agitating mixer. Always wear proper protective gear; gloves, eye protection, long sleeves and a breathing mask or respirator.
- 4.4.6 After adding all the sand, close the lid of the mixing tank and raise the speed of the mixer to "high" setting.
- 4.4.7 Agitate tank for 10 minutes to allow the contents of the tank to mix thoroughly and break up any sand clumps.
- 4.4.8 Reduce the agitator speed to "medium" setting and keep running. If the mixer is shut off during transport to the job site, it must be restarted and the contents mixed for at least 10 minutes before the application begins. Keep the agitation running during the entire application period.

5.0 APPLICATION OF MATERIAL

5.1 Can Be Applied As A Single Coat Or As A Multi-Coat System Installation

- 5.1.1 The material shall be applied according to the specifications detailed in Section 4. These systems provide a protective coating that is free of voids, pinholes, and holidays (skips).
- 5.1.2 **The First Coat**; The STAR SPECTRUM[®] sand slurry shall be uniformly applied over the entire surface according to the recommended coverage rate. If the surface temperature is more than 90° F (32° C), pre-dampen with a light mist avoiding the creation of puddles of water. There should be no free standing water on the surface when applying the sealer.
- 5.1.3 Allow the first coat to dry sufficiently to take light traffic without scuffing. It could take approximately 4-6 hours under ideal drying conditions.
- 5.1.4 **The Second Coat;** If the specification calls for a second coat, apply it in a perpendicular direction to the previous coat, if practical, to ensure the profile of the asphalt surface is evenly coated on all possible sides..
- 5.1.5 The completed application will need to be allowed to cure at least for 24 hours and then tested for traffic suitability prior to opening for regular use.
- 5.1.6 The amount of material needed will vary according to the porosity and texture of the pavement. The mix designs (i.e. STAR SPECTRUM® and other ingredients) expressed in section 4.2.0 are guidelines only.

6.0 METHOD OF APPLICATION

- 6.1 Hand Tool Application Using Squeegee Or Sealcoaters Brush
- 6.1.1 **Mixing Tank Details**; The agitator in the sealer tank should be kept on at all times during application to keep the sealer mix design in proper suspension.
- 6.1.2 Cut In / Edging; Apply a coating around the edges of the pavement first by pouring a continuous ribbon of STAR SPECTRUM® mix along the pavement edge approximately 6-12 inches from curbing/pavement edge. Draw the STAR SPECTRUM® mix away from the pavement edge by pulling a squeegee or brush through the ribbon of material at a slight angle while walking parallel to the pavement edge. Repeat the process in reverse direction pulling the excess material toward the center of the pavement. For best results use a squeegee followed by a brush.
- 6.1.3 Manual Sealer Application With A Squeegee or Brush; Pour out STAR SPECTRUM® mix to maintain a working ribbon of material and in a continuous motion keep moving the material across the pavement until it is completely and uniformly covered. Continue the process in reverse direction pulling the excess material toward the intended end point of the pavement. For best results use a squeegee followed by a brush.

6.2 Machine Squeegee Application / Self Propelled Driven Unit

6.2.1 When applying by machine, first seal the edges of the pavement by hand as described in 6.1.2. The machine should then be used to apply STAR SPECTRUM® mix to the remaining larger pavement area. A self-propelled machine that squeegees and brushes the sealer into the pores of the pavement is recommended. The machine should be equipped with a fog bar to be used for pre-dampening if the pavement temperature exceeds 90° F (32° C).

6.3 Spray Application By Distributor Truck Or By Hand (Spray Wand)

- 6.3.1 Mechanical Considerations; If using a traditional diaphragm pump to deliver the sealer to the spray bar, an approximate pressure starting point should be at about 50-80psi. Start out with a lower psi setting and adjust as needed after a test patch is made. In most cases an 80/40 or 80/50 spray tip can be used. Note: the size of the spray tip and the amount of pressure is related, changing one will likely require an adjustment to the other. Spray tips should always be kept clean and free of dried sealer. Store spray tips in a sealed container of water to keep them clear.
- 6.3.2 HAND SPRAY APPLICATION WITH WAND; Spray application should deposit the material per specified coverage rates. When material is being sprayed the sealcoating spray pattern should be slightly angled (10-20°) and a back-and-forth fanning motion used. As you make each pass from right to left and then back left to right, tilt the angle of the spray in opposite directions so as to apply an even coating on all sides of the pavement profile. As you advance across the pavement you should overlap your application by 1/3 to 1/2 onto the previously applied row/area.
- 6.3.3 SPRAY APPLICATION WITH DISTRIBUTOR TRUCK; Spray application should deposit the material per specified coverage rates. Typically, one-half of the application is sprayed in each direction of the asphalt surface being treated to avoid a build up against only one side of the stone in the profile of the surface. This is most important in situations where the surface profile is fairly deep as in rougher and older asphalt surfaces.

7.0 PRECAUTIONS

7.1 Storage and Temperature

7.1.1 STAR SPECTRUM[®] must be protected from freezing. Do no store at temperatures below 32° F. Always store unused sealer in tightly closed containers.

7.2 Personal Protection and Safety

- 7.2.1 Use all precautions as detailed in the Safety Data Sheets for personal and environmental protection. Always wear full protective clothing and gear when handling STAR SPECTRUM[®].
- 7.2.2 Keep out of reach of children.

7.3 Traffic Control

- 7.3.1 Traffic control should be in place before workers and equipment enters onto the roadway or work zone. Traffic control includes construction signs, construction cones and/or barricades and flag personnel to direct traffic clear of the construction operation.
- 7.3.2 Traffic control is also required to protect the integrity of the application. The curing time for the sealer material will vary depending on the pavement surface conditions and the weather conditions at the time of application. Under ideal conditions, including increasing air and surface temperatures, it is suggested that traffic be kept off the sealer material for at least twenty four (24) hours and acceptable skid test results.

8.0 QUALITY CONTROL

8.1 General Quality Control Considerations

- 8.1.1 Quality control and workmanship are critical to the performance and life of a sealcoating treatment. There must be a cooperative effort between the engineer and the contractor's representative to conduct inspections of all project equipment before and during the project. The primary pieces of equipment for a sealcoating operation are the truck/equipment spray wand and/or distributor bar. It is critical that each is functioning as required by the project specifications. The spray bar must be set to the appropriate height (distance) from the pavement surface and the nozzles must be set at the proper angle to assure a uniform application of material. The material temperatures should also be measured for quality control purposes.
- 8.1.2 The emulsion must be applied to specification. Excess emulsion can create slick pavements.
- 8.1.3 It is recommended that project inspections be conducted so that any deficiencies in workmanship or materials are addressed and corrected immediately.

America's Most Trusted Sealcoatings, Additives, Primers and Pavement Protection Products!



WORLD-WIDE HEADQUARTERS 1150 Milepost Drive, Columbus, OH 43228 +1-800-759-1912 • www.starseal.com



GENERAL DESCRIPTION

STAR SPECTRUM[®] is a 100% acrylic latex polymer based coating that belongs to a new generation of pavement maintenance products. Built on carefully selected polymers, color fast pigments, minerals, specialty additives and performance boosters, STAR SPECTRUM[®] has an extraordinary degree of toughness and water repellency. STAR SPECTRUM[®] forms a tough, durable and flexible coating that protects your pavement from the damaging elements of weather, water penetration and de-icing salts. STAR SPECTRUM[®] also holds up well against occasional spills of gasoline, oils and many chemicals. STAR SPECTRUM[®] is a brilliant way to add vibrant color to any paved surface; for protection, safety, traffic separation and for corporate identity and visibility!

STAR SPECTRUM® COLORS

Lily White, Sky Blue, Ocean Blue, Purple, Sea Foam Green, Sage Green, Fairway Green, Lemon Yellow, Salmon Orange, Brick Red, Magenta, Peppermint Pink, Hot Rod Red, Tan, Cool Gray, Bike Lane Green and Black. The ability to mix custom colors is available.

OUTSTANDING PROPERTIES

- Excellent Durability STAR SPECTRUM[®] has been proven as a viable alternative to many traditional pavement coating products. Effective on both asphalt pavement and concrete surfaces.
- Superior Flexibility Ability to bridge minor surface (non-working) cracks in the pavement to eliminate water penetration and extend the life of asphalt surfaces.
- Magnificent Color that Protects Cures to a beautiful brilliant color that resists fading or weathering with time. Industry leading bright vibrant colors, a first of its kind.
- Non-Hazardous in Application, Handling and Storage Water based, safe for playgrounds and use where human contact is unavoidable. Easy to apply, clean up and store.

RECOMMENDED USES

STAR SPECTRUM[®] is recommended for both asphalt pavements and concrete surfaces that have low to medium traffic patterns; home driveways, restaurants, strip malls, bike lanes, school play areas, golf courses, theme parks, custom markings on commercial parking lots, airfield markings and many more.

MIX DESIGN RECOMMENDATIONS

Important - All mix designs must include clean, quartz, angular sand.

	US	METRIC
STAR SPECTRUM®	100 Gal.	100 Liters
Water (Clean, Potable)	5 Gal.	5 Liters
Sand 50-70 AFS*	300-500 Lbs.	36-60 Kg.

* Crushed slag (i.e. Black Beauty) shall not be used.

APPLICATION RATES

Must be applied to structurally sound pavements. Do not apply over chip seal or gilsonite sealed surfaces. The application rates shall be dictated by the traffic pattern and usage.

1 For Pedestrian and Low Traffic Areas Apply One (1) Coat:

a) STAR SPECTRUM[®] (Concentrated) - the total coverage rate of 0.09 - 0.10 Gal./Sq. Yd. or 90 - 100 Sq. Ft./Gal. (2.2 - 2.45 Sq. Meter/Liter).
b) Mixed STAR SPECTRUM[®] with 5% Water and 4 Lbs. Sand/Gal. - 0.11 - 0.12 Gal./Sq. Yd. or 75 - 82 Sq. Ft./Gal. (1.83 - 2.00 Sq. Meter/Liter).

*For Moderate Traffic Areas Apply Two (2) Coats:*a) STAR SPECTRUM[®] (Concentrated) - the total coverage rate of 0.14 - 0.16 Gal./Sq. Yd. or 56 - 64 Sq. Ft./Gal. (1.37 - 1.57 Sq. Meter/Liter).
b) Mixed STAR SPECTRUM[®] with 5% Water and 4 Lbs. Sand/Gal. - 0.17 - 0.20 Gal./Sq. Yd. or 45 - 53 Sq. Ft./Gal. (1.10 - 1.30 Sq. Meter/Liter).

IMPORTANT WEATHER LIMITATIONS

- Surface and air temperature should be a min. 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 over 100° (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 brushing, scarping and peeling.
- Keep stored containers sealed tightly.

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. Whereas 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.

SPECIAL INSTRUCTIONS

IMPORTANT: Polished aggregate in certain pavement sections (entrance/exits, high traffic lanes, etc.) may pose a special challenge for the proper bonding of STAR SPECTRUM[®] to the pavement. The use of STAR[®] SPECTRA-PRIME[™] is recommended for such situations. STAR[®] SPECTRA-PRIME[™] is a specialty water based primer that creates an affirmative bond between the polished aggregate and STAR SPECTRUM[®]. Apply STAR[®] SPECTRA-PRIME[™] at 0.04-0.05 gal/sq. yard or 180-225 sq. ft/gallon (4.4-5.5 sq. meter/liter).

Apply only on unsealed asphalt or surfaces previously sealed with either Asphalt Emulsion or Refined Tar based sealers. DO NOT mix STAR SPECTRUM[®] with other AE or RTS based sealcoatings. Do not apply over surfaces sealed with gilsonite and other solvent based seal coatings. New asphalt pavements must be allowed to cure at least 90 days in hot weather. Concrete surfaces must be etched with muriatic acid and primed with STAR[®] SPECTRA-PRIME[™] prior to application.

CAUTIONS

KEEP FROM FREEZING / KEEP OUT OF REACH OF CHILDREN

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 a Safety Data Sheet for details.

PACKAGING & AVAILABILITY

5-Gallon plastic pails, 55-gallon drums and 275-gallon plastic totes at all STAR plant locations.

WARRANTY & DISCLAIMER The suggestions and related data contained on these pages are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. STAR[®] SPECTRUM[™] colors as shown on this brochure are an example only of the applied coating and are not intended to be used as an exact representation of the final dried colors. S.T.A.R., Inc. will not be responsible for any indirect or consequential damages. We will either replace or refund the purchase price in the event the products are proved to be defective, at our option.



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