

STAR[®] LTCA

LOW TEMPERATURE CURE ADDITIVE

GENERAL DESCRIPTION

STAR LTCA, Low Temperature Cure Additive is especially designed for sealcoatings to optimally cure under cooler ambient and surface temperatures, as experienced in early spring and late fall. The specialty chemicals in STAR LTCA, plasticize and coalesce binder and polymer components in the sealer for a complete film formation. STAR LTCA improves the overall color, performance and durability of asphalt sealcoatings. Suitable for early morning, nighttime, late fall, and early spring seasons where ambient conditions of temperature, humidity and dew point are generally unfavorable for sealcoating.

OUTSTANDING PROPERTIES

- Sealcoatings dry and cure even at low temperatures. (40° F)
- Sealcoatings dry to a uniform black color, under sun or shade.
- Does not thicken or change viscosity of the sealer thus eliminating the temptation to add additional water to the mix design.
- Toughens the sealer film and improves tensile strength thus reducing power steering marks, scuffing and tearing. Improves flexibility and adhesion of the cured sealer film to the existing surface. Improves fuel and chemical resistance of the cured film.

RECOMMENDED USES

STAR[®] LTCA is recommended for all applications where less than ideal cure conditions are present. Especially suited for late fall, early spring, and night time sealcoating at places such as; Fast Food Restaurants, Apartment Buildings, Service Plazas, Office Complexes, Gas Stations and many more.

LEVEL OF ADDITION

2-3% STAR[®] LTCA by volume of the concentrated sealer

Add STAR[®] LTCA directly to the sealer (with agitation).
DO NOT dilute STAR[®] LTCA.

MIX DESIGN (SUGGESTED)

	<u>US</u>	<u>METRIC</u>
Sealcoating (AE or RTS)	100 Gallons	100 Liters
Clean Potable Water	50 Gal. Max	50 Liters Max
Sand 50-70 AFS	300-500 Lbs.	36-60 Kg.
STAR [®] LTCA	2-3 Gal.	2-5 Liters

MIXING TIPS

- Add water to the sealer and start agitation.
- With agitation on, add the required amount of STAR[®] LTCA. Mix for 5 minutes. Keep agitation on.
- Add the sand slowly, at a steady rate of about 100-lb. bag/minute.
- Continue to mix to a smooth consistency. Adjust the speed of mixer to turn the sealer mix sufficiently inside the tank without beating air into the mix. You may have to raise the speed during sand addition and reduce towards the end of the mix cycle.

IMPORTANT WEATHER LIMITATIONS

- Surface and air temperature should be a min. 40° F (5° C) and rising.
- Do not apply on rainy, foggy, or extremely humid days (max 80%), or when rain is in the forecast within 8 hours.
- Most favorable conditions are; humidity less than 60%, higher temperatures and lower relative humidity with mild wind velocity.

SPECIAL INSTRUCTIONS

- Do not add more than 3% of STAR[®] LTCA. Beyond this limit, it will not add any benefit for faster drying. Conversely, it may thin down the sealer mix.
- Do not add more sand than 5 lb./gallon of the concentrated sealer. Higher amounts of sand reduce the flexibility and adhesion of the cured sealer.
- Keep the water dilution rate below 50%. Excessive amounts of water will cut down the dry sealer film thickness, which in turn will result in pre-mature failure.
- Mix thoroughly before using and keep unused container properly sealed.
- **Using other additives or additives manufactured by companies other than STAR, Inc. in conjunction with this product might produce undesirable results. Consult your STAR[®] representative for recommendations.**

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 Additives manufactured by S.T.A.R., Inc. are designed specifically for use with the RTS and AE Sealcoatings our Member Plants produce. 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. 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.



STAR[®]
SPECIALTY TECHNOLOGY AND RESEARCH

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