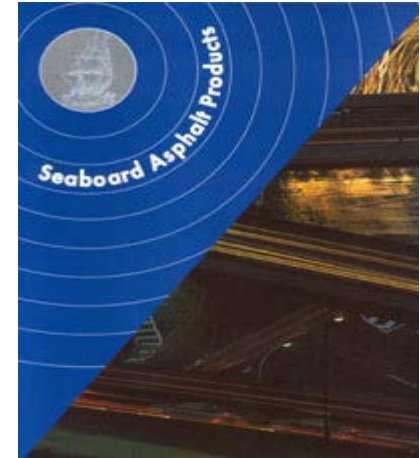


# Trackless Tack Coat EM-50-TT



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61<sup>st</sup> Annual New Jersey  
Asphalt Paving Conference

# EM-50-TT Overview

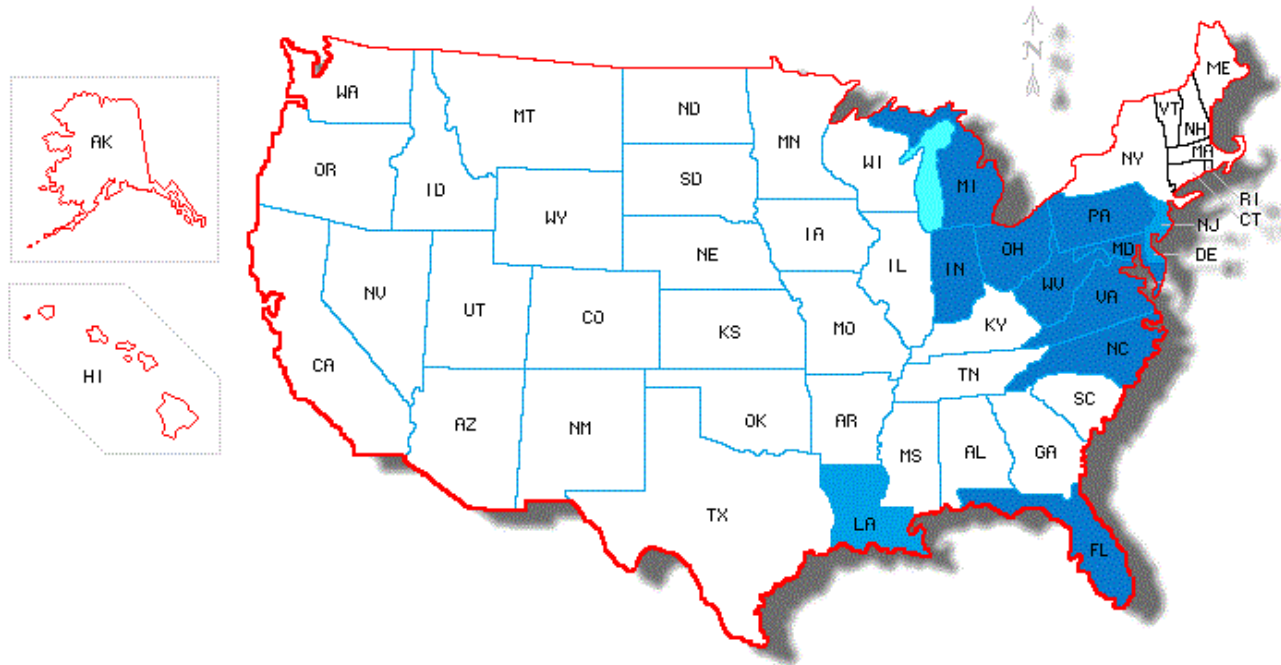
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- General Properties
- Benefits
- Comparison to Conventional Tack Coat
- Application

# EM-50-TT Approved States

## EM-50-TT APPROVAL

● - APPROVED



# A Better Way: Product Comparison Chart

- Lower Application Rate
- Faster Cure Time
- Superior Bond Strength

	EM-50-TT	CSS-1H
TYPE	ANIONIC	CATIONIC
Application Rate	0.05 gal/sq. yd.	0.09 gal/sq. yd.
AC Content	> 50%	> 57%
Cure Time	10 minutes	> 45 minutes
Bond Strength	> 130 psi	> 50 psi
Milled Surface	Excellent	Poor

# Storage Tank Guidelines

- Ensure tank is clean and free of contaminants – especially CATIONIC residue
- Storage temperature should not exceed 110°F
- Circulate or agitate the material for 15 minutes each day
- Tanks should be filled from the bottom



# Heating and Circulation Process

- Slowly heat the product to a temperature of 110°F
- Slowly increase heat to 160°F while circulating the distributor tank only at 100-150 gallons per minute
- Circulate the spray bars upon reaching 160°F
- EM-50-TT can be sprayed when the temperature reaches 160°F in the tank and bars.



# Application of EM-50-TT

- Pavement should be clean and dry
- Application rate varies based on state/local specifications, condition of the surface, and type of pavement layer being applied
- EM-50-TT can be applied at a rate of 0.05-0.10 gallons/yd<sup>2</sup>



# Distributor Operator Checklist

1. Check tank, pump, and spray bar for contamination.
2. If any cationic material was used last, flush system with MC or RC.
3. Use  $\frac{1}{4}$ " mesh screens
4. Load material from bottom of distributor tank
5. Apply material at  $160^{\circ}\text{F}$





# Distributor Operator Checklist Continued

6. Heat slowly and circulate
7. Circulate while idle with pump speed as slow as possible
8. Suck back and clean out bar and pump with diesel fuel if idle for more than 30 minutes.
9. Use only 1/8" V-slot nozzles, with every other nozzle turned on



# Distributor Operator Checklist Continued

10. Set outside nozzles parallel to the road, with inside nozzles perpendicular to the road.
11. Raise bar to highest position
12. Set pump to 26 gallons/minute; check for uniform coverage



# Distributor Operator Checklist Continued

13. Apply small amount to check that material is breaking properly.
14. Apply material at 0.05-0.10 gallons/yd<sup>2</sup>
15. If material remains, heat to 160°F slowly while circulating.
16. Heating and recirculation must be done each day. Multiple days of this can lead to dried material, bars stopping up, and pump problems.



# Distributor Operator Checklist Continued

17. Attempt to apply all material each day by loading what is needed.
18. Allow time for the emulsion to break. Not allowing break time can lead to tracking.
19. Attempt to add new material at the end of the day, this allows warm material being added to help prevent pump strain.



ANY QUESTIONS?

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