



NTQS1 TRACKLESS TACK

Description: Non Tracking Quick Set Emulsion
 Uses: Tack / Prime



Gardner Asphalt Supply NTQS1 Trackless Tack is the most innovative non-ionic chemical asphalt emulsion used for application where a tenacious tack coat is required. NTQS1 provides superior bonding properties, prevents slippage of layers and reduces tracking while being highly stable. It becomes a monolithic layer with the substrate. It can also be used as a prime coat where permitted.

- QUICK SET WITHIN MINUTES
- HIGH BOND / SHEAR STRENGTH
- TRACKLESS WHEN FULLY SET / BROKE
- COMPATIBLE NON-IONIC
- MEETS AGENCY REQUIREMENTS
- EASE OF APPLICATION
- BLACK TACKY APPEARANCE
- STABLE STORAGE & HANDLING
- APPROVED FOR PRIME
- IMPROVES SAFETY

PROPERTY	TEST METHOD	TYPICAL RESULT
Tests on Emulsion		
Emulsified Asphalt Grade:		NTQS1
Saybolt Furol Viscosity @ 25°C, seconds	AASHTO T 59/ ASTM D 88	15 - 200
Storage Stability, 24 hours, %	AASHTO T 59/ASTM D 244	3.0 maximum
Sieve Test, %	AASHTO T 59/ASTM D 244	0.10 maximum
Distillation Residue, %	AASHTO T 59/ASTM D 244	50 minimum
Naphtha Content, Volume %	AASHTO T 59/ASTM D 244	1 maximum
Tests on Residue from Distillation		
Dynamic Shear @ 70°C, G*/sin δ, kPa	AASHTO T 315	1.00 minimum
Solubility in Trichloroethylene, %	T 44	97.5 minimum
Weight per Gallon	AASHTO T 59	8.52

BEST PRACTICES: Proper storage, handling, and application guidelines must be followed carefully for best results. As with any emulsion, do not allow the material to boil because of aggressive heating. Freezing or boiling of Gardner Asphalt Supply NTQS1 will break the emulsion. All equipment should be thoroughly cleaned if cationic emulsion was previously present. It is highly recommended for the product to be applied when hot (130°F to 160° F). Prior to application(s) all surfaces should be thoroughly cleaned especially milled surfaces. If the product is to be stored for an extended period of time, the material should be agitated and/or gently circulated prior to use. Please contact your Gardner Asphalt Supply representative prior to first use for detailed storage, handling, and application procedures.

CAUTION: For industrial use only. Keep out of reach of children. Refer to MSDS for further information. THIS PRODUCT IS NOT SUBJECT TO THE CONTROLLED PRODUCT REGULATIONS. The information contained herein is the best information available to Gardner Asphalt Supply relating to our products, the use of our products, and is based on tests to be reliable. There is no warranty, EXPRESS OR IMPLIED in association with this product or its use.

Guidelines for storage, handling, and application for NTQS1 Trackless Tack

Gardner Asphalt Supply now has a NTQS1 Trackless Tack emulsion made from carefully selected asphalt. NTQS1 is formulated to break almost instantaneously, leaving a non-tracking tack coat. The product works as a bond between existing pavement and new layer pavement to improve adhesion and shear of overall pavement performance. A successful tack coat is when you have uniform, complete and adequate coverage. The guidelines below are key to NTQS1 performance.

Storage and Handling Guidelines

NTQS1 is a non-ionic asphalt emulsion, and it should be placed in clean storage tanks. Contamination with other products could reduce performance and/or trackless behavior. Do not mix cationic emulsions with NTQS1. Avoid excessive pumping with high shear pumps.

Storage in Vertical Tanks (Preferred):

The use of vertical storage tanks is recommended to minimize the surface area of the emulsion that is exposed to air. Prior to loading, ensure that the tank is clean and free of any material. Low shear agitation is recommended to minimize settlement and skin formation. Agitation is sufficient when the material can be seen to “roll” at the top. Tanks should be filled from the bottom of the tank. It is recommended to store the product between 90°F and 120°F. In some regions heat is not necessary on storage tank if averaging weekly inventory rotation.

Storage in Tanker Trailers:

The storage of this product in a tanker trailer for over one month is not recommended. However, when the product must be stored for long periods, it should be circulated once a week.

Distributor Truck:

Prior to applying product. Calibrate distributor truck by spray bar height, spray bar pressure, nozzle angle, nozzle orientation, nozzle selection and thermocouple. Liquid temperature must match to material, therefore ensure the thermocouple is submerged into the emulsion in order to be accurate.

1. Initial heating to 150°F while circulating.
2. Material should be heated to 130°F prior to application.
3. Material should be sucked back to tank if excessive delay is experienced between spraying.
4. Material should be applied at recommended application rates by D.O.T. or governing agency. Typical application rate of NTQS1 is 0.05 yd²/gallon.

GRADE	RECOMMENDED MAX STORAGE TEMP (°F)	APPLICATION TEMP (°F)	
		Recommended Range	Max Allowable
NTQS1	90-120°F	130-160°F	175°F



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