
PRODUCT BULLETIN

TARMAX[®] R-100

GENERAL: **TARMAX[®] R-100** is the first in a series of admixtures designed for use as modifiers for coal tar pitch emulsion. **TARMAX[®] R-100** responds to those applications demanding the faster drying characteristics of a low solids coating while providing the additional viscosity and strength required to suspend and bond low to medium levels of aggregate.

DESCRIPTION: **TARMAX[®] R-100** is a blended product based on acrylonitrile and other crosslinking polymers. A viscosity modifier and minor amounts of silicone have been added to improve mix rheology, leveling and water resistance.

BENEFITS: **TARMAX[®] R-100** imparts the following properties to low solids coal tar emulsion coatings:

- longer lasting.
- faster drying with rapid film strength development.
- greater viscosity.
- resistance to scuffing and power steering marks.
- greater extensibility over surface imperfections.
- improved aggregate bonding.
- deeper, blacker color.
- additional oil, water, and ultraviolet light resistance.

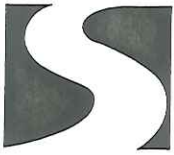
STORAGE & HANDLING: **TARMAX[®] R-100** should be stored in a cool, dry area. Freezing must be avoided as product is no longer useful if once frozen. Spillage may be easily removed with water if still wet.

TARMAX[®] R-100 is non-toxic, but may cause local skin irritation. If accidentally swallowed, induce vomiting and contact a physician immediately.

SOUTHERN EMULSIONS, INC.

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- * TARMAX adds these benefits to a pavement sealer:
 - longer lasting
 - higher aggregate loading
 - faster drying
 - greater oil and gas resistance
 - deeper, blacker color.

- * What is TARMAX and how does it work?
 - TARMAX is a unique polymeric admixture based on modified acrylonitrile/butadiene latices. It is compounded with other ingredients that adjust viscosity build, accelerate curing time, toughen the film via cross-linking, and stabilize it when used with coal tar emulsion pavement sealer.
 - When TARMAX is added to sealer, it is absorbed by the emulsion particles which gradually swell, increasing the liquid viscosity. This increased viscosity allows more aggregate to be added to the emulsion and holds the aggregate in an even suspension during the drying process. As water evaporates the emulsion particles begin to coalesce and crosslink, bonding the aggregate firmly to the pavement.

- * A TARMAX modified sealer cures faster, allowing additional coats and the striping to be done sooner.

- * The coating resists scuffing and power steering marks. TARMAX also gives the sealer more resistance to the degradation and brittleness caused by ultra-violet light.

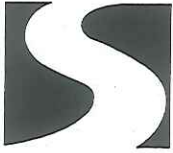
- * TARMAX builds mix viscosity, but not too much as this can lead to adhesion problems.

- * Surface preparation is essential to a quality job. If the surface is not clean, nothing will adhere to the pavement. No help from TARMAX here!

- * Through proper use of TARMAX you can tailor make your sealer to meet your exact requirements. The total amount of TARMAX depends primarily on the pounds of aggregate required, which, in turn, depends on the coarseness of the pavement.

- * TARMAX should be diluted 1:1 before addition so it can be quickly and evenly distributed throughout the mix.

- * TARMAX modified sealer can be applied using various methods...hand squeegee, machine squeegee, hand spray, machine spray.



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TECHNICAL DATA SHEET

TARMAX R-100

TARMAX is a blended product based on modified nitrile latex, which contains 51 to 70 parts Butadiene, and 30-49 parts acrylonitrile as well as other cross-linking polymers. TARMAX R-100 has been formulated specifically for use with coal tar emulsion conforming to Federal Specification RP355e. TARMAX has a minimum polymer content of 40% and is capable of increasing mix viscosity to produce a mixture that will adequately suspend the sand. The concentration of the residual acrylonitrile in TARMAX is below levels requiring hazardous labeling according to OSHA standards. TARMAX R-100 meets military and FAA specifications for sealcoating airport and military pavements.

Physical Properties

Grade	R-100
Solids	40%
Particle Size	1300A
Specific Gravity	0.99
Viscosity @ 25° C	35cps

Storage/ Handling

TARMAX should be stored in a cool, dry area. Freezing must be avoided as product is no longer useful if once frozen. Spillage should be contained and disposed in accordance with local, state and federal regulations. TARMAX is non-toxic, but may cause local skin irritation.