

TOP-SHIELD *a Superior Dust Suppressant & Fog Sealant*

Top-Shield (TS-100) is a powerful co-polymeric sealant used for dust suppression/control and erosion control for roads, parking lots, and soil surfaces. It is also used as a fog-sealing primer for base courses before paving. Top-Shield's co-polymers penetrate and create a hard, resilient surface by cementing loose material into a tight bond. When properly applied, Top-Shield hardens to maintain a dust-free and moisture-resistant surface with anti-skid qualities. Top-Shield is environmentally safe, dries clear and results in a powerful, flexible seal with superior bonding and lasting strength.

DILUTION RATIO / MIXTURE DEPTH GUIDELINES

- The amount of undiluted TS-100 required for a project is 5 ounces per square yard of surface.
- For Dust Suppression and Fog Sealant, TS-100 is "sprayed on" surfaces at the dilution rates recommended below.
- For Dust Control and Erosion Control, TS-100 is "mixed-in" with surface soil at the depths recommended below.

Use the tables below to determine appropriate dilution ratio (Water : TS-100) and mixture depth (inches) for your project.

Note: Many variables can affect the dilution ratio and mixture depth, including: • type of road surface • type & amount of traffic • density of & moisture in road surface/soil • condition of road (potholes, ruts, washboarding, etc.).

- TYPE OF TRAFFIC:**
- **Light Duty** = Automobiles and Pickup Trucks (ex: parking stalls)
 - **Moderate Duty** = Delivery & Maintenance Vehicles (ex: travel lanes and stalls)
 - **Heavy Duty** = 18 Wheelers, Buses, Dump Trucks (ex: entrance and travel lanes)

- Notes:**
- If your project experiences Mixed Duty Traffic, dilution rates for heavier traffic should be considered. (ex: parking lot approaches and entrances)
 - For projects with Moderate or Heavy Duty Traffic, a second application of TS-100 is recommended 30 minutes after first application.

Dilution Ratios for DUST SUPPRESSION & FOG SEALANT			
Type of Surface	Type of Traffic		
	Light Duty	Moderate Duty	Heavy Duty
DUST SUPPRESSION:			
Crushed Stone	10 : 1	8 : 1	5 : 1
Soil	7 : 1	5 : 1	5 : 1
FOG SEALANT:			
Crushed Stone	10 : 1	10 : 1	8 : 1
Soil	10 : 1	8 : 1	7 : 1

Mixture Depths for DUST CONTROL / EROSION CONTROL			
Type of Surface	Type of Traffic		
	Light Duty	Moderate Duty	Heavy Duty
Crushed Stone	Top 2" to 4"	Top 4"	Top 4" to 6"
Soil	Top 4"	Top 4" to 5"	Top 4" to 6"

