AUTHORIZED DISTRIBUTOR

TECHNICAL DATA
DUST BOND®

DUST BOND® is a high performance dust suppressant and soil stabilizer. It has been specially formulated to replace the recently prohibited waste oils and by-products that were once used as dust suppressants and harmed the environment. DUST BOND® contains only virgin materials and is manufactured in a totally modern facility to insure consistent high quality and twelve month availability. DUST BOND® is sold and shipped as a concentrate to be diluted with water prior to use.

Key Features

- environmentally friendly
- improves worker safety and health conditions
- lowers equipment maintenance expense
- clean result - not gooey
- little or no traffic interruption
- accumulative build-up
- non-flammable
- non-volatile
- non-corrosive
- non-hazardous
- not a waste by-product
- safe
- cost effective

Uses

DUST BOND® is designed to economically suppress fugitive dust on unpaved roadways, haul roads, and parking lots. It is an effective surface stabilizer that prevents rain and wind erosion of storage piles and newly graded surfaces before protective ground cover can be established.

DUST BOND® works by agglomerating the dusty fine particles into aggregate too large to become airborne. DUST BOND® is diluted with water to prepare it for spraying. This water is the matrix that carries the resin globules below the surface. Compaction is improved as the resinous material coats the aggregate and binds the small particles forming a solid mass.

DUST BOND® treated surfaces shed water which prevents erosion, potholes, and rutting. In northern climates, freeze-thaw damage from water saturation is averted.

SPECIFICATIONS AND GENERAL PROPERTIES

EMULSION PROPERTIES - CONCENTRATE

Color	yellow	Residue by evaporation	62 % min. by wt.
Weight per U.S. Gal	8.2 lbs. ± 2%	Viscosity @25°C SFS	12 to 35 seconds
Particle Charge	positive	Sieve Test	.1

NORMAL APPLICATION

Normal Application Rate when diluted 7 water:1DB	1 pint conc per sq yard	Application Temperature	ambient over 32°F
Cure Time.	Less than 1hr	Shelf Life (concentrate)	12 months

RESIDUE PROPERTIES

Asphaltenes, %w	zero	Flash point, COC	204°C minimum
Specific gravity	1.01 ± 2%	Viscosity @100°C cSt	14 to 20 seconds

(continued)

APPLICATION RATE & LONGEVITY

The following table outlines typical dilution ratios and application quantities that are suggested as a guide when planning a first time application. Traffic volume and vehicle weight need to be fairly estimated and matched to the surface conditions. Surfaces with prior DUST BOND® treatments change in character and usually require 20% to 50% less material to effect dust control. If a retreatment has been delayed so long that the first application has been overwhelmed with a deep accumulation of fines, it should be planned as a first application.

DUST BOND® APPLICATION GUIDE

SURFACE CONDITION	DILUTION RATIO WATER/DUST BOND®	APPLICATION RATE GALS./SQ YD	ANTICIPATED LONGEVITY
LIGHT TRAFFIC			
Stable surface of gravel or stone & dirt	7:1	.5 to 1	1 to 3 Months
Fresh gravel or slag, loose with no fines	4:1	1 to 1.5	2 to 4 Months
Fresh stone with fines	7:1	.75 to 1	2 to 4 Months
Typical Cty Rd, hard pan & gravel, w/light layer of fines	7:1	.5 to .75	1 to 3 Months
Thick fine dust on hard surface	10:1	1.5 to 2	1 to 3 Months
Maintenance Application, tight surface, light layer of fines	7:1	.5 to .75	2 to 3 Months
HEAVY TRAFFIC			
Compacted surface - gravel or stone & dirt, light layer of fines	7:1	1	1 to 2 Months
Compacted surface, excessive dirt & fines	7:1	1 to 1.5	1 to 2 Months
Freshly graded loose stone & dirt	7:1	1 to 1.5	1 to 2 Months
Loose slag or gravel, little dirt	4:1	1 to 1.5	1 to 3 Months
Coal refuse road, large stone, hard packed	7:1	1 to 2	1 to 3 months
Maintenance Application, tight surface, light layer of fines	7:1	1	2 Months
MISCELLANEOUS			
All dirt - no aggregate	10:1	1 to 1.5	1 to 2 Months
All sand - no aggregate	7:1	.5 to 1	.5 to 1 Month
Crushed shell & dirt	10:1	1 to 1.5	1 to 3 Months

Made and Sourced in America

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