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MIDWEST INDUSTRIAL NEWS

CalCert & CARB Certify Technology To Control PM₁₀

The California Air Resource Board (CARB), one of the world's leading advocates of new environmental technologies, and the California Environmental Technology Certification Program (CalCert), an internationally recognized independent, scientific and engineering evaluator of environmental performance, have certified Soil-Sement[®] performance. Soil-Sement[®] is highly effective for controlling PM₁₀ and PM_{2.5}. These certifications offer users and clients performance assurances when reliability is important and the cost of failure unacceptable.

The CARB report states: "Soil-Sement[®] is used as a dust suppressant, as a soil-stabilization agent, and to control erosion and silt runoff. It is applied to unpaved roads, building pads, parking lots, parks, fields, off-highway motor vehicle parks, and other similar high dust areas. Soil-Sement[®] has a wide variety of applications other than road surfaces. It has been used to stabilize asbestos-containing soils and can also be used on slopes as a tackifier in hydroseeding applications. Soil-Sement[®] can be used to reduce windblown dust from ore and coal storage piles, stockpiles, mine tailing sites, power plant ash ponds, construction sites, military applications (vehicle staging areas, helicopter landing zones, trails for rubber tire and tracked vehicles, rapid deployment runways) and to control dust mites in orchards and vineyards." (Evaluation of the Air Quality Performance Claims for Soil-Sement[®], Dust Suppression - April 2002)

Also, in a comprehensive study just released by the U.S. Army Research and Development Center of 12 non-traditional stabilizers and three traditional types, Soil-Sement[®] (one of the non-traditional types) showed its potential to increase the Unconfined Compressive (UC) strength of silty sand (SM) material under both "wet" and dry conditions.

The results verified that Soil-Sement[®] polymer emulsion SIGNIFICANTLY improved the UC strength of the SM material (58% in dry test conditions and 208% in wet conditions). Except for cement and polymers, other traditional and non-traditional stabilizers provided no significant potential. (Available at www.midwestind.com/soilsement/SSEngBen.pdf)

FOR COPIES OF THE REPORTS AND/OR COMPLETE PRODUCT, PERFORMANCE
AND ENVIRONMENTAL INFORMATION ON SOIL-SEMENT[®]
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