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Updated: 1/4/2010
Supercedes: 10/18/95

FIBERAND MINERAL ROAD FIBERS INFORMATION SHEET

GENERAL DESCRIPTION: FIBERAND Mineral Road Fibers are designed for exclusive use in hot mix asphalt systems and are used to stabilize the asphalt film surrounding aggregate particles in order to reduce drain-down.

SPECIFIC DESCRIPTION: FIBERAND Mineral Road Fibers are man-made vitreous silicate fibers formed by the spinning of a molten composition of furnace slags and other minerals. The fibers are treated with a cationic sizing agent to enhance disbursement and increase adhesion to the bitumen.

DOSAGE RATE: Typically between 0.2% to 0.5% by weight of the total mix (as approved by the Engineer).

PHYSICAL PROPERTIES:

Color	Off-white to light gray
Fiber Diameters (μ)	4 - 6 (avg)
Fiber Length (in.)	0.25 Max
Fiber Tensile Strength (psi)	80,000
Shot Content	\leq 35%
Hardness (Mohs)	6.0
Melting Point	\sim2,200°F
Operating Temperature	Up to 1450°F
Devitrification	1,550°F
Density (Specific Gravity)(g/cc)	2.7 - 2.9
Loose Fill Density (lb/cu.ft.)	4-6
Packaged Density (lb/cu.ft.)	AIM 16-18 (Bales)
Refractive Index	1.62 - 1.64
pH Value	8.5 - 10.5

CHEMICAL COMPOSITION:

* Oxide	Weight (%)
SiO₂	34-46
Al₂O₃	8-15
CaO	24-44
MgO	4-13
Fe₂O₃	0-4
Other	0-4

*** Typical formulation range for major oxides**

PACKAGING AND SHIPPING:

Certification Statement, if requested, will accompany shipment and will contain customer and load identifying information and quality assurance statement.

- Bales measure 32" x 40" x 56" (approx).
- Bale weight range is 610 - 670 LB
- Trucks are loaded with 40,000 - 43,000 LB (AIM = 42,000 LB)
- Trucks are load with up to 33 pallets, 66 bales depending on truck.
- Ship from Huntington, IN.

EXPORT:

- PRODUCT NAME: FIBERAND MINERAL ROAD FIBERS
- SYNONYM(S): MINERAL WOOL, SLAG WOOL
- HS TARIFF CLASSIFICATION: 6806.10.0000
- 20 Foot Container – 11 pallets, 22 bales, (AIM = 14,300 LB)
- 40 Foot Container – 23 pallets, 46 bales, (AIM = 29,900 LB)

NOTES:

1. Testing for typical property parameters are not conducted on a routine basis. Some parameters are checked on an annual basis or when process or raw material changes are implemented.

2. As is standard practice, the elements are reported as oxides, even though no such individual crystals exist in the fiber.