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TECHNICAL DATA SHEET

SOLARITE KM-4512 ASPHALT LAMINATION COATING

DESCRIPTION: **KM-4512** is a heat-applied asphalt lamination coating designed for adhering fiberglass to Kraft paper used in the manufacture of insulation. **KM-4512** is designed to give good adhesion, fiberglass pick-up, and block resistance in a uniform coating.

PHYSICAL PROPERTIES:

Appearance.....Black

Softening Point

ASTM D36-26.....215°F +/- 5°F

Viscosity.....Brookfield RVT Viscometer Brookfield LV DVE Viscometer

Viscosity @ 365°F,
Thermocel #27 Spindle, Thermocel #29 Spindle @
50 RPM 100 RPM
500 cps to 600 cps
600 cps to 800 cps

Viscosity @ 375°F,
Thermocel #27 Spindle,
50 RPM
450 cps to 550 cps

Specific Gravity.....1.08 to 1.20

Penetration,

ASTM-D-5-29,

100 Grams,

5 Sec (0.1mm).....3 +/- 2

NOTE: At 365°F, to convert RVT reading to LV DVE reading, use reading plus 100 +/- 30 cps.

STORAGE AND HANDLING:

CAUTION should be used when handling hot materials; to avoid injury, proper protective equipment is to be used at all times. Please refer to Material Safety Data Sheet for **KM-4512**.

Totes--Product to be shipped in totes will be at a temperature of 340°F to 380°F to facilitate handling and efficient operation on the coating equipment to be used.

Electrically heated totes are supplied and should be thermostatically set at a temperature of no greater than 350°F in order to maintain the inside temperature. Full totes have been tested at **SOLAR COMPOUNDS**, for periods of up to 36 hours, and have maintained a temperature of 355°F to 370°F. However, it is not recommended to leave totes unmonitored, for extended periods of time, or filled with less than 2,000 pounds of material. The heating system is only designed to keep material warm during a normal work shift.

Storage--It is not recommended to keep **KM-4512** under storage at temperatures of above 385°F for any extended periods of time. Storage temperature should be as low as possible. When not in use for prolonged periods, heat should be shut off. When not in use for several days, heat should be lowered to less than 250°F and raised prior to use. On a daily basis, heat should not exceed coating temperature. Also, it is recommended that agitation is performed at all times the product is under heat to prevent filler settlement or hot spots around the heating coils or jackets. Temperatures above 385°F can cause material to foam; more specifically, temperatures of 395°F and above will cause potential problems.

Ideal agitated storage conditions are at 350°F or less over 48 to 72 hour periods of time; the lower the temperature, the longer the stability. Laboratory tests have shown that **KM-4424**, at 350°F, will only rise 50 cps to 150 cps over a 7-day period. However, it is the customer's ultimate responsibility to establish suitable storage and heating conditions based upon the storage tank design, volume stored, mixing, and material usage rates.

IMPORTANT:

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HEALTH CAUTION:

Avoid breathing possible fumes, mists, and vapors which can cause severe respiratory damage. Use of NIOSH approved breathing apparatus is required for more than minimal exposure. Always work in areas with adequate ventilation to allow dissipation of chemical fumes. Use of goggles, protective garments, rubber gloves, protective cream is required. Please refer to Material Safety Data Sheet before using these products.

**PLEASE REFER TO MATERIAL SAFETY DATA SHEET FOR FURTHER FIRST
AID INFORMATION.**

FOR CHEMICAL EMERGENCY
CALL CHEMTREC (DAY OR NIGHT) 800-424-9300.