



VSS ASPHALT TECHNOLOGIES DATA SHEET VER: 1.0 --PRODUCT INFORMATION

DESCRIPTION:

RoadChem™ 700® is formulated for use in slurry and microsurfacing systems to control the chemical reactions that occur between the emulsion and the aggregate.

BENEFITS:

- Improves control of systems
- Provided in concentrate form
- Compatible with many polymers
- Used in small quantities
- Enhances adhesion

PHYSICAL PROPERTIES:

Appearance: Amber soft paste

Flash point: >339F (>170C)

Specific gravity: 0.87 @ 78°F (25°C)

Storage: Store in a cool dry place, do not let the temperature exceed 120F (50C). Use open drums first.

Storage life: 12 months minimum (if stored correctly).

Packaging: Supplied in steel 205 Lt size drums, in 1 tonne totes, or in bulk.

APPLICATION:

RoadChem™ 700® acts as a retarder or accelerator because it affects the reaction rate at the aggregate interface. At high temperatures this will appear as a retardation and at low temperatures this will accelerate the reaction.

RoadChem™ 700® is compatible with Aluminium Sulphate retarder additives and these may be mixed to achieve a variety of effects.

RoadChem™ 700® will significantly enhance adhesion. With many aggregates a blend of 1: 1 Aluminium Sulphate and RoadChem™ 700® is best. The slurry or microsurfacing must be purpose designed using ISSA guidelines. Compatibility of the RoadChem™ 700® is determined by laboratory mixes. Levels for use of RoadChem™ 700® and RoadChem™ 700® blends with Aluminium Sulphate are in the range of 0.03 -0.7% of the concentrate based on aggregate weight. If mixed with Aluminium Sulphate, use in levels normal for the Aluminium Sulphate.

PREPARATION OF DILUTE:

The concentrate must be diluted and neutralised to become active. This is usually done to an 8% solution.

To prepare 100 kg of additive solution in a tank equipped with a stirrer:

- Melt the additive by gentle heating.
- Add 86 kg of hot water (50-60C).
- Add 6 kg of concentrated Hcl.
- Add 8kg of RoadChem™ 700.
- Blend well.
- Check pH, adjust to 1. 9 -2. 1.
* Store in steel drums.

SAFETY:

A Material Safety Data Sheet is available for this product. Always read the safety data sheet for any chemical prior to use.

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