

RoadChem™ 400® Rapid Setting Emulsifier

VSS ASPHALT TECHNOLOGIES DATA SHEET VER: 2.0 -PRODUCT INFORMATION

DESCRIPTION:

RoadChem™ 400® is a cationic rapid set emulsifier that contains special additives that make it useful for emulsifying difficult asphalts, including those that are paraffinic, low penetration and high in asphaltenes.

RoadChem™ 400® may also be used for cold mixes, if formulated correctly. It may also be used for medium setting emulsions and tack coats. Roadchem® 400 controls viscosity

BENEFITS:

- Rapid set
- Works with all bitumen types and crude bases.
- Excellent adhesion to most aggregates
- Excellent emulsion stability and viscosity control



PHYSICAL PROPERTIES:

Appearance: Amber soft paste (<25C) or amber liquid (>25C)

Flash point: >339F (>170C)

Specific gravity: 0.86@ 78F (25C)

Viscosity: 6-8 cSt @ 140F (60C)

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™ 400® is an emulsifier of the fatty diamine type.

RoadChem™ 400® is designed for use in CRS- 1, CRS-2 and high binder content emulsions. It may also be used for mixing grade emulsions and Tack Coats.

TYPICAL FORMULATION:

All formulations should be tested in the laboratory before use. VSS Asphalt Technologies will assist in formulation and can supply full formulations based on your materials either in USA or provide a development program in your lab.

RAPID SET:

Soap solution:

RoadChem™ 400®: 0.18-0.50%

Calcium Chloride: 0.1%

Hydrochloric to pH: 1.8-2.8

Kerosene: 0%-2%

Water: Adjust to 100%

Asphalt (bitumen) : 60-70%

MIXING GRADE:

Soap solution:

RoadChem™ 400®: 0.5-1.0%

Calcium Chloride: 0.1%

Hydrochloric to pH: 2.5-3.5

Kerosene: 3%-12%

Water: Adjust to 100%

Asphalt: 60-65%

TACK COAT :

Soap solution:

RoadChem™ 400®: 0.3-0.50%

Calcium Chloride: 0.1%
Hydrochloric to pH: 1.8-2.8
Water: Adjust to 100%
Asphalt: 30-60%

SAFETY:

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

Valley Slurry Seal Company, PO Box 981330, West Sacramento, CA 95798, USA.
Phone (916) 373-1500 Fax: (916) 373-1438 Email: vss@slurry.com

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