



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

DESCRIPTION:

RoadChem™ 412® is a 100% active mixing grade and cationic rapid set emulsifier that is highly efficient in emulsifying a range of asphalts. RoadChem™ 412® is easy to make into a soap solution and makes emulsions of medium to low viscosity. It is particularly useful in controlling viscosity in high binder emulsions. It may also be used for cold mixes, if formulated correctly. It may also be used for medium setting emulsions. RoadChem™ 412® is excellent in coating of almost all aggregates.

BENEFITS:

- Rapid set and medium set
- Difficult bitumens may be used.
- Excellent adhesion
- Good stability
- Viscosity control in high binder emulsions

PHYSICAL PROPERTIES:

Appearance: amber liquid (>25C)

Boiling point: >250C

Flash point: >93C

Specific gravity: 0.87@ (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 drums (200 kg) or in bulk.

APPLICATION:

RoadChem™ 412® is an emulsifier of the fatty diamine type.

RoadChem™ 412® is designed for use in CRS 1, CRS 2 and high binder content emulsions. It may also be used for mixing grade emulsions.

TYPICAL FORMULATION: All formulations should be tested in the laboratory before use.

RAPID SET:

Soap solution:

RoadChem™ 412®: 0.2 - 0.25%

Calcium Chloride: 0.1%

Hydrochloric to pH: 1.8 - 2.8%

Kerosene: 0% - 2%

Water: Adjust to 100%

Asphalt: 60 - 75%

MIXING GRADE:

Soap solution:

RoadChem™ 412® 0.4 - 0.8%

Calcium Chloride: 0.1%

Hydrochloric to pH: 2.5 - 3.5

Kerosene: 3% - 12%

Water: Adjust to 100%

Asphalt: 60 - 65%

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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