

EVENRANGE

CONCRETE SOLUTIONS

EC-20™

Environmental Prime Coat & Alternative to Asphalt Emulsions

PRODUCT DESCRIPTION

EC-20™ is a waterbased formulation and environmental alternative to asphalt emulsions.

Thus, **EC-20™** is an alternative to Prime Coats, PCE (Prime Cure Emulsions), AEP (Asphalt Emulsion Prime), prime emulsions and tack coats (EAP&T).

EC-20's™ membrane forming technology, allows the product to cure, seal and form a bond in stabilized bases.

Unlike traditional asphalt emulsions and tack coats, EC-20™ does not contain hydrocarbons or solvent agents like Benzenes, Mineral Spirits, Kerosene or Petroleum Oils.

USE

EC-20™ is used on Cement Stabilized Bases (CSB), Flexible Asphalt Base as a primer of base materials and as a curing membrane for sealing stabilized based materials. **EC-20™** is also ideal for erosion control, soil control and surface stabilization.

SPECIFICATIONS

EC-20™ is a new technology being tested by the Texas Department of Transportation and Texas A&M's Transport Institute as an alternative to primes, cures, emulsions and tack coats.

Therefore, specifications are designed to meet or exceed the performance specifications of TxDOT Item 300.2. Because **EC-20™ does not contain hydrocarbons**, alternative specifications are currently being considered.

APPLICATION

Depending upon the openness of the surface to be treated and under preliminary investigation, it was concluded that desirable results were found after an application rate of *0.15 - 0.30 gallons per square yard*.

EC-20™ should be applied with well sized and calibrated nozzles to deliver shot rate.

EC-20™ will bond with the HMA as soon as they come in contact with each other.

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TYPICAL PROPERTIES AND APPLICATION DATA

<i>Appearance:</i>	Brown odourless liquid
<i>Solubility in Water:</i>	Miscible
<i>Boiling Point (°F):</i>	212°F
<i>Specific Gravity (H₂O=1):</i>	1.02
<i>Vapour Pressure:</i>	7.535 (Gauge)
<i>Percentage Volatile:</i>	0
<i>Flammability:</i>	Non flammable in both water and dry state
<i>Solvents:</i>	Not applicable
<i>Shelf Life:</i>	12 months maximum
<i>Dry Time:</i>	Typically 2 hours. However, can depend on application rate and temperature and humidity. Avoid traffic during this time period.
<i>Application Rate:</i>	0.15 - 0.30 gallons per square yard
<i>Application Temperature:</i>	Do not apply when temperatures are below 40°F. When applying there should be no imminent threat of rain.
<i>Application By:</i>	Spray
<i>Packaging:</i>	- 1000lt Palletcon - 205Lt Eponlined drum
<i>UN Number:</i>	Not applicable
<i>Hazchem Code:</i>	Not applicable
<i>Packaging Group:</i>	Not applicable
<i>Poison Schedule:</i>	Not applicable
<i>Dangerous Goods Class:</i>	Not applicable

STORAGE

Unlike traditional tack coats, prime coats and asphalt an emulsion, *heating is not required* at plant facilities, distribution tanker trucks and storage tanks.

Refer to Material Safety Data Sheet for precautions and personal protection.

Disclaimer: Any advice, recommendation, information, assistance or service provided by application is in good faith and is believed by EVENRANGE PTY LTD to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by EVENRANGE PTY LTD is provided without liability.

EC-20™ is patent pending

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