

PRODUCT DATA SHEET



PRODUCT NAME: Cationic Emulsions

DESCRIPTION

SAMI Bitumen Technologies supplies a full range of Australian Standard grade (AS1160) cationic emulsions. These include cationic emulsion grades such as Cationic Rapid Set (CRS), Cationic Medium Set (CMS), Cationic Slow Set (CSS) and Cationic Aggregate Mixing (CAM).

FEATURES

- The whole range of standard cationic emulsions can be manufactured with varying residual bitumen content
- No heat degradation during transport or storage of the binder
- Improved aggregate embedment and adhesion
- Can be applied all year round (application at night-time during winter not recommended)
- Elimination of fuming

APPLICATIONS

Standard grade cationic emulsions can be used for a wide range of applications, such as tack coating, spray sealing, stabilisation and dust suppression. CAM grade is used for Cold mixes.

TECHNICAL PROPERTIES

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUES	SPECIFICATIONS
Residue from evaporation	% Mass	AS/NZS 2341.23	60.4	60, minimum
Consistency at 25°C	°Engler	AS 2341.25	5.5	3.5 – 8.0
Particle charge	-	AS/NZS 2341.22	Positive	Positive

STORAGE, HANDLING & USAGE

- The standard grade emulsions should be stored in between 10°C and 85°C, depending on the intended use and specific product
- Because stored emulsions tend to skin on surface, it is best to use vertical tanks rather than horizontal tanks
- The emulsions must be recirculated at regular intervals and reheating must always take place under gentle agitation; do not heat at a greater rate of 10°C per hour and never heat above 95°C
- When diluting bituminous emulsions with water always add water slowly to the bituminous emulsions. If possible, use warm water for diluting
- Never add the bituminous emulsion to a tank of water when diluting
- Check the compatibility of the water with the emulsion by testing a small quantity

AVAILABILITY

Available in bulk (minimum 6 tonnes) on order in all the States and Territories.

Disclaimer: Whilst every care is taken to provide accurate information, it is intended as a guide only and no responsibility is accepted nor is it warranted suitable for a particular application.