



MS 150™

Anionic Premix Grade Bitumen Emulsion

Product Data Sheet 2014/04

DESCRIPTION

MS 150™ is a specially formulated medium set anionic premix grade bitumen emulsion for the manufacture of cold asphalt mixes in a hotmix asphalt plant.

USES

MS 150™ emulsion can be used for the manufacture of continuously or open graded cold asphalt mixes in a hotmix drum- or batch plant. These mixes can be stockpiled under cover or in bags for up to three months before placing. The coldmix is ideal for pothole repairs, paving of sidewalks, driveways or parking areas.

PROPERTIES

- **MS 150™** emulsion residue has improved rheological behaviour at both high and low temperatures.
- Rapid coating of the aggregate particles occur due to the highly dispersed state of the bitumen component.
- Improved coating is attained at lower temperatures.
- Steam that is evolved during the mixing process displaces air from the mixer, resulting in decreased degradation of the binder.
- Lower mixing temperatures required when using **MS 150™** resulting in energy cost savings.
- No danger of overheating the binder.

SPECIFICATIONS

MS 150™ emulsion is manufactured from a 70/100 penetration grade bitumen and conforms to the following specification:

EMULSION PROPERTIES	REQUIREMENT		TEST METHOD
	Min	Max	
Binder content, % m/m	67	69	ASTM D244
Residue on sieving, g/100 ml	-	0.25	SANS 4001-BT3
Viscosity @ 50°C, SFs	25	40	SANS 4001-BT4
Sedimentation after 60 rotations	Nil		SANS 4001-BT3

DIRECTIONS FOR USE

1. Only heat the emulsion in the storage tank to 50 - 60°C to facilitate pumping of the binder without heating the transfer lines or the binder pump.
2. Preheat the aggregate to 150 - 160°C.
3. Open the emulsion feed to the mixing drum or pug mill.
4. The exit temperature of the premix should be 100 - 110°C.
5. Tip mix onto the stockpile and spread out evenly to facilitate evaporation of residual water.
6. Allow the mix to cure for approximately 10 days before use.

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