

**COLTACK HL™****Elastomer Modified Bitumen Emulsion**

Product Data Sheet 2014/04

DESCRIPTION

COLTACK HL™ is a medium viscosity cationic spray grade bitumen emulsion prepared with a 50/70 penetration grade bitumen and modified with a high level of SBR latex.

USES

COLTACK HL™ is used mainly for spraying as a bond coat when using integrated paver/spraying machines.

PROPERTIES

COLTACK HL™ has enhanced residual binder properties, while the lower viscosity of the emulsion improves the flow of the binder during application. **COLTACK HL™** has been specially formulated without any cutter to ensure no solvent entrapment in the overlaid surface, thus reducing the risk of bleeding.

SPECIFICATIONS

COLTACK HL™ conforms to the following specification:

EMULSION PROPERTIES	REQUIREMENT		TEST METHOD
	Min	Max	
Binder content, % m/m	65	68	ASTM D244
Viscosity @ 50°C, SFs	20	100	ASTM D244
Residue on sieving, g/100 ml	-	0.5	SANS 4001-BT4
Particle charge	Positive		SANS 4001-BT4
Sedimentation after 60 rotations	Nil		SANS 4001-BT4
RECOVERED BINDER PROPERTIES			
Softening point, °C	≥ 60	-	ASTM D36 / MB-17
Elastic recovery @ 15°C	≥ 50	-	MB-4

DIRECTIONS FOR USE

1. Only heat product prior to application. Heating should be gentle to reduce the possibility of deposits forming on the burner flues. Do not heat the product during storage but circulate for approximately 20-30 minutes every second day.
2. **COLTACK HL™** can be applied with a conventional distributor, integrated paver/sprayer or hand sprayer at a binder spray temperature of 65°C and a minimum road surface temperature of 10°C and rising.
3. To avoid blocked nozzles, load the product via a strainer fitted with a fly screen mesh. If possible, larger nozzles should be fitted to the spray bar to reduce the frequency of blockages.
4. Can be stored for long periods at ambient temperature without risk of polymer thermal degradation. The residue on sieving value will increase with prolonged storage but should not affect performance of the binder.
5. Clean storage tank and spray bar regularly with solvent to dissolve latex residues.

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