

**CSS 60****Cationic Stable Grade Bitumen Emulsion**

Product Data Sheet 2014/04

DESCRIPTION

CSS 60 is a low viscosity slow set cationic stable grade bitumen emulsion.

USES

CSS 60 is used mainly for the manufacture of slow set slurry mixtures which can be hand- or machine applied.

CSS 60 can also be used for mixing with natural gravels or crushed aggregates for the stabilisation of base coarses.

CSS 60 can also be diluted with water and applied onto aged seals as an enrichment spray or as a tack coat for an asphalt overlay.

PROPERTIES

The slow setting nature of **CSS 60** makes it ideal for mixing and applying slurries by hand. Slurry mixtures prepared by batch mixing can be kept workable in transit for 1 hour before setting.

SPECIFICATIONS

CSS 60 conforms to SANS 4001-BT4 specification for cationic bitumen road emulsions.

EMULSION PROPERTIES	REQUIREMENT		TEST METHOD
	Min	Max	
Binder content, % m/m	60	63	ASTM D244
Viscosity @ 50°C, SFs	-	50	ASTM D244
Residue on sieving, g/100 ml	-	0.25	SANS 4001-BT4
Sedimentation after 60 rotations	Nil		SANS 4001-BT4
Particle charge	Positive		SANS 4001-BT4
Fluxing agent content, % m/m of binder	Nil		ASTM D244
Coagulation value when mixed with silica flour, % m/m	-	2	SANS 4001-BT4

DIRECTIONS FOR USE

1. **CSS 60** can be stored and mixed with aggregates at ambient temperature.
2. Can be stored for up to three months at ambient temperature without the risk of settlement.
3. The binder should be heated to 60°C for spray application.
4. Before diluting with water, confirm the compatibility of the emulsion and water.

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