



MC 30™ Cutback Bitumen

Product Data Sheet 2018/06

DESCRIPTION

MC 30™ is a blend of medium curing petroleum solvents and penetration grade bitumen.

USES

MC 30™ is used for priming newly constructed, crushed stone- or natural gravel base courses prior to surfacing.

PROPERTIES

MC 30™ is blended to a low viscosity to ensure that it penetrates up to 10 mm of the base course with the aid of the cutter, whilst depositing a thin film of bitumen on the surface to provide adhesion between the base course and the new surfacing.

SPECIFICATIONS

MC 30™ conforms to SANS 4001 - BT2 requirements for cutback bitumen.

EMULSION PROPERTIES	REQUIREMENT		TEST METHOD
	Min	Max	
Kinematic viscosity @ 60°C, cSt	30	60	ASTM D2170
Dynamic viscosity @ 60°C, mPa·s	30	70	ASTM 4402
Flash point, °C	38	-	ASTM D93
Distillation to 360°C, % v/v: to 190°C	-	15	ASTM D402
225°C	15	60	
260°C	50	85	
316°C	80	100	
Residue from distillation to 360°C, % v/v	50	-	ASTM D402
Viscosity @ 60°C on residue from distillation, Pa·s	30	-	ASTM D4402

DIRECTIONS FOR USE

1. Although MC 30™ is pumpable at ambient temperature, heating of the binder is recommended prior to spray applications.
2. Special care must be taken whilst heating, as MC 30™ contains flammable cutters which have a flash point of > 38°C.
3. Before priming, the surface of the base course should be well swept.
4. The moisture content of the base course should be less than 50% of the Optimum Moisture Content.
5. If the base is very dry, dampen slightly with water to prevent the formation of "fish eyes".
6. Apply with a calibrated distributor at a binder spray temperature of ± 55°C and a minimum road surface temperature of 10°C and rising.
7. Drying time is dependent on the porosity of the base course as well as on the prevailing weather conditions. The prime must be allowed to dry before opening to traffic or proceeding with the construction of the surfacing

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