

**MSP 1™****Inverted Bitumen Emulsion Prime**

Product Data Sheet 2014/04

DESCRIPTION

MSP 1™ is an inverted bitumen emulsion manufactured from bitumen and a cutback medium.

USES

MSP 1™ is specially designed as a prime for non-bituminous bases prior to surfacing.

The product is ideal for priming:

- Natural gravel, crushed stone and stabilized bases.
- Small areas by hand sprayer.
- Damp bases and during inclement weather.

PROPERTIES

MSP 1™ penetrates the top 10 mm of the base with the aid of the cutter, whilst depositing a film of bitumen on the surface to provide adhesion between the base course and the new surfacing.

Other benefits of **MSP 1™** are:

- Faster penetrating than MC 30.
- Reduced solvent emissions vs cutbacks.

SPECIFICATIONS

MSP 1™ conforms to SANS 4001-BT5 specification for inverted bitumen emulsion.

EMULSION PROPERTIES	REQUIREMENT		TEST METHOD
	Min	Max	
Viscosity @ 50°C, SFs	25	40	ASTM D88
Water content, % v/v	-	20	ASTM D402
Distillation to 360°C, % v/v: to 190°C	25	55	ASTM D402
225°C	45	75	
260°C	60	90	
316°C	80	100	
Residue from distillation to 360°C, % v/v	50	-	ASTM D402
Penetration @ 25°C of residue distilled to 360°C, 0.1 mm	90	180	ASTM D5

DIRECTIONS FOR USE

1. The surface of the base should be well swept and slightly dampened with water before priming.
2. Apply with a hand sprayer at ambient temperature or calibrated distributor at a binder spray temperature of 60°C and a minimum road surface temperature of 10°C and rising.
3. Drying time will depend on the porosity of the base and weather conditions. The prime must be allowed to dry before opening to traffic or proceeding with the construction of the surfacing.

Head Office

Cape Town PO Box 82 Eppindust 7475 **Tel** +27 (0)21 531 6406 **Fax** +27 (0)21 531 5514 **Email** colas@colas.co.za **Website** www.colas.co.za

Colas provides the above data sheet in good faith and it is provided without warranty, representation, inducement or licence of any kind; as such Colas shall not be liable for cost, damages or losses incurred as a result of reliance on the abovementioned information.