



TECHNICAL DATA SHEET (TDS)

BITUMEN MC-30

Medium Curing Cutback Bitumen

1. PRODUCT DESCRIPTION

Bitumen MC-30 is a medium curing cutback bitumen produced by blending penetration grade bitumen with a controlled percentage of petroleum solvent (typically kerosene-type diluent). The solvent reduces viscosity, allowing the material to be applied at ambient temperature without heating. After application, the solvent evaporates, leaving a durable asphalt binder film on the aggregate surface.

MC-30 is widely used for prime coating and surface preparation in road construction projects.

2. RECOMMENDED APPLICATIONS

- Prime coat for base and sub-base layers
- Surface dressing
- Dust control treatment
- Cold mix asphalt
- Temporary road stabilization
- Penetration macadam construction

MC-30 is particularly suitable where deep penetration into granular base is required.

3. COMPOSITION

- Base Bitumen (Petroleum Asphalt)
- Medium Volatility Petroleum Solvent (Kerosene type)

The solvent content allows controlled curing time and proper penetration characteristics.

UAE OFFICE:

ADD: 3509 OF THE BURLINGTON TOWER, BUSINESS BAY, DUBAI-UAE

CELL: [0097142369830](tel:0097142369830)

4. STANDARD SPECIFICATION

Bitumen MC-30 complies with ASTM D2027 (Standard Specification for Cutback Asphalt – Medium Curing Type).

5. TECHNICAL SPECIFICATION

PROPERTY	TEST METHOD	SPECIFICATION
Kinematic Viscosity @ 60°C	ASTM D2170	30 – 60 cSt
Flash Point (Tag Open Cup)	ASTM D3143	Minimum 38°C
Distillate (Volume % of Total Distillate to 360°C)	ASTM D402	
To 225°C	ASTM D402	Max 25%
To 260°C	ASTM D402	35 – 70%
To 316°C	ASTM D402	85 – 93%
Residue from Distillation	ASTM D402	Min 67%
Penetration of Residue @ 25°C	ASTM D5	120 – 250 dmm
Ductility of Residue @ 25°C	ASTM D113	Min 100 cm
Solubility in Trichloroethylene	ASTM D2042	Min 99%
Water Content	ASTM D95	Max 0.2%

6. TYPICAL PHYSICAL PROPERTIES

- Appearance: Black liquid
- Odor: Petroleum solvent odor
- Density @ 25°C: Approx. 0.95 – 1.02 g/cm³
- Application Temperature: Ambient
- Curing Time: Medium (dependent on weather conditions)

UAE OFFICE:

ADD: 3509 OF THE BURLINGTON TOWER, BUSINESS BAY, DUBAI-UAE

CELL: [0097142369830](tel:0097142369830)



7. PERFORMANCE CHARACTERISTICS

- Excellent penetration into granular base
- Uniform coating capability
- Controlled evaporation rate
- Strong adhesion after solvent evaporation
- Improved bonding between base and asphalt layer

8. PACKAGING OPTIONS

- New Steel Drums (150 – 220 kg)
- Bulk Tanker
- Flexi Tank (on request)

9. STORAGE CONDITIONS

- Store in cool, dry, well-ventilated area
- Keep away from heat and open flames
- Protect from direct sunlight
- Maintain container tightly closed

10. SAFETY INFORMATION

MC-30 is flammable due to solvent content.

Proper personal protective equipment must be used during handling.

Refer to Material Safety Data Sheet (MSDS) for detailed safety information.

11. TRANSPORT INFORMATION

UN Number: UN 1999

Hazard Class: 3 (Flammable Liquid)

Packing Group: III

UAE OFFICE:

ADD: 3509 OF THE BURLINGTON TOWER, BUSINESS BAY, DUBAI-UAE

CELL: [0097142369830](tel:0097142369830)



12. QUALITY CONTROL

Each batch of Bitumen MC-30 is tested prior to shipment to ensure compliance with ASTM D2027 requirements. A Certificate of Analysis (COA) is issued for every shipment.

UAE OFFICE:

ADD: 3509 OF THE BURLINGTON TOWER, BUSINESS BAY, DUBAI-UAE

CELL: [0097142369830](tel:0097142369830)