



PRODUCT DATA SHEET

MEDIUM CURING CUTBACK BITUMEN. EDITION 11.

BITUMEN GRADE MC 70

PROPERTY / UNIT	SPECIFICATION	TEST METHOD
Kinematic viscosity at 60°C (mm²/s)	70 Min	ASTM D2170
	140 Max	
Flash Point (Open Tag), (°C)	38 Min	ASTM D3143
DISTILLATION TEST, (% OF TOTAL DISTILLATE TO 360°C) :		
To 190°C	- Min - 15 Max	ASTM D402
To 225°C	- Min - 20 Max	ASTM D402
To 260°C	20 Min - 60 Max	ASTM D402
To 315°C	65 Min - 90 Max	ASTM D402
Residue from Distillation to 360°C, Volume % by Difference	55 Min	ASTM D402
TEST ON RESIDUE FROM DISTILLATION:		
Penetration at 25°C, 100g, 5 Sec (0.1 mm)	120 Min	ASTM D5
	250 Max	
Ductility at 25°C	100 Min	ASTM D113
Solubility in Trichloroethylene	99.0 Min	ASTM D2042
Water % by mass vol.	0.2 Max	ASTM D95

Cutback Grade Bitumen is normally used in spraying and in some mixing applications. Cutback Bitumen is penetration grade Bitumen blended with a solvent such as kerosene, white spirit, gasoline and naphtha controlling the curing time. Cutbacks are divided into 2 types, Rapid Curing (RC) and Medium Curing (MC) depending on the solvent used. Commonly used for road and pavement construction and maintenance. Cutback MC 70 is blended with a solvent such as Kerosene, a medium curing petroleum cutter.

Quality: All Bitumen supplied is of the highest quality and fully compliant with ASTM, AASHTO, equivalent EN and BS International Standards and Test Methods. SGS Quality Testing and Analysis certification of the Bitumen products inspected when requested, will be compliant with Product Specifications and International Standards. Quality assured manufacturing. Equivalent to BS EN 15322.

Packaging: New steel drums and pelletized, weatherproof packaging for flexibility of storage.

Storage: Store in original containers in a cool dry place. Do not leave containers open.

Recommended Application Rate: Priming - Between 0.5 L/m² and 1.4 L/m². Tack-coating - Between 0.2 L/m² and 0.4 L/m².

Recommended Application Temperature: **Spraying** - 50°C - 70°C **Mixing** - 35°C - 70°C

Uses: Cutback MC 70 containing 55% Bitumen, is commonly used as a Prime Coating. The process of priming involves applying a low viscosity binder to a prepared but usually unbound aggregate base. It is intended to be absorbed by the top layers of the base and provide a surface which is more easily wetted by a following bituminous covering. Cutback bitumen which is suitable for priming is also used for Tack-coating. This is applied to an underlying surface to aid with the adhesion of the following asphalt layer.

Flammable: Contains petroleum distillate. Avoid heat, flames and sources of ignition. (Refer to MSDS Sheet Provided)