

# CUTBACK BITUMEN

**RAPID CURING: RC70**



PROPERTY / UNIT	UNIT	SPECIFICATION	TEST METHOD
Kinematic viscosity at 60°C	mm	70/140	ASTM D2170 AASHTO T201
Flash Point (Tag Open-Cup)	°C	-	ASTM D3143
<b>DISTILLATE TO 360 °C</b>			
Residue from distillation to 360°C Percent Vol.	min	55	ASTM D402 AASHTO T55
To 190°C	min	10	
To 225°C	min	50	
To 260°C	min	70	
To 315°C	min	85	
<b>TEST ON RESIDUE FROM DISTILLATION</b>			
Penetration at 25°C (0.1mm)	100g/5s	80/120	ASTM D5 AASHTO T49
Ductility at 25°C	cm	>100	ASTM D113 AASHTO T51
Solubility in Trichloroethylene	%	99	ASTM D2042 AASHTO T44
Water (per volume)	%	0.20	ASTM D95 AASHTO T55

**Quality:** All Bitumen supplied is of the highest quality and fully compliant with ASTM and AASHTO Standards and Test Methods. Inspection and certification of the Cutback product is carried out before shipment. Our bitumen is also quality tested and assured at refining, blending and drumming stages.

**Packaging:** New steel drums or reconditioned steel drums (palletized). Weatherproof packaging for flexibility of storage.

**Storage:** Store in original containers, sealed in a cool dry place.

**Recommended Application Rate:**

*Priming* - Between 0.5 L/m<sup>2</sup> and 1.4 L/m<sup>2</sup>.

*Tack-coating* - Between 0.1 L/m<sup>2</sup> and 0.4 L/m<sup>2</sup>.

**Recommended Spraying Temperature:** 60°C - 70°C

**Recommended Mixing Temperature:** 55°C - 70°C

**Uses:** 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 RC70 is blended with a solvent such as Naphtha, a rapid curing petroleum cutter. Cutback RC70 containing 55% Bitumen, is commonly used as a Prime Coating and maintenance mixing. 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.