



Product Technical Data Sheet

Cutback Bitumen

Type : Medium-Curing

Grade : MC-70

Standard : ASTM D 2027

Description:

Cutback MC-70 is a medium curing (MC) cutback asphalt consisting of penetration grade asphalt cement and diluent or 'cutter' of medium volatility. The diluent temporarily reduces the viscosity of the asphalt cement for ease of handling and application. After application the diluent evaporates, leaving the asphalt cement to perform its function.

Cutback MC-70 conforms to the specifications of ASTM D2027 (Medium-Curing Asphalt) or AASHTO M82.

Typical Properties:

| Property | Min | Max | Test Method |
|--|-----|-----|-------------|
| Kinematic viscosity at 60°C mm ² /s | 70 | 140 | ASTM D2170 |
| Flash Point (Tag Open-Cup), °C | 38 | - | ASTM D3143 |
| Distillate test: Distillate, volume percent of total Distillate to 360°C: | | | |
| To 225°C | - | 30 | ASTM D402 |
| To 260°C | 20 | 60 | ASTM D402 |
| To 316°C | 65 | 90 | ASTM D402 |
| Residue from distillation to 360°C, percent volume by difference | 55 | - | ASTM D402 |
| Tests on residue from distillation: | | | |
| Viscosity at 60 °C, | 30 | 140 | ASTM D2170 |
| Penetration at 25 °C, | 120 | 300 | ASTM D5 |
| Ductility at 25 °C, | 100 | - | ASTM D113 |
| Solubility in trichloroethylene, % | 99 | - | ASTM D2042 |
| Water, % | - | 0.2 | ASTM D95 |

Uses:

Major use for Cutback MC-70 is in the road maintenance industry where it is used as a prime coat of the base course prior to placing of the bituminous surface course. Its purpose is to bind the granular material of the base course to the asphalt layer. Usual application is by spray using a distributor.

Other uses include the following:

- Roofing: As a waterproofing membrane and as an adhesive to stick chippings onto a flat, horizontal roof to minimize the effects of weathering from the sun.
- Damp-Proof Courses: Used as damp-proof membranes in concrete floors particularly for small repairs or where extensions are keyed-in to existing structures.
- Fish Net Coating: To prolong service life of fish nets.

Safe Handling and Storage:

Handling:

- Avoid contact with skin, eyes and clothing.
- Avoid breathing vapor, spray or mists.
- Do not breathe fumes which may accumulate in the vapor head-space of containers.

Storage:

- Keep drums in a cool, well-ventilated place.
- Keep away from sources of ignition.
- Prevent ingress of water.

Packaging:

Cutback MC-70 is available in bulk and in 200 kg capacity steel drums