

## **SPECIFICATION OF CUTBACK BITUMEN MC30**

### **GENERAL DESCRIPTION OF CUTBACK ASPHALT MC30**

CUTBACK BITUMEN MC30 IS DISSOLVED OF BITUMEN IN SOLVENTS OF KEROSENE. IN MANY COUNTRIES KEROSENE AND OTHER VOLATILE PETROLEUM DERIVED PRODUCTS ARE ADDED AS A "CUTTER" OR "CUTBACK AGENT" TO BITUMEN TO REDUCE (OR "CUTBACK") THE VISCOSITY OF THE BITUMEN. THE MIXTURE OBTAINED MAY BE CALLED "CUTBACK BITUMEN".

THE REDUCTION IN VISCOSITY OF THE BITUMEN AIDS THE CONSTRUCTION OF SEAL COATS IN ROAD PAVEMENTS AS THE SOFTENED MIXTURE WETS THE CHIPS MORE EASILY. THE CUTBACK AGENT EVAPORATES FROM THE SEAL COAT, THE CUTBACK AGENT BECOMING A NEGLIGIBLE COMPONENT OF THE SEAL COAT A FEW MONTHS AFTER APPLICATION. IF SIGNIFICANT AMOUNTS OF THE CUTBACK AGENT REMAIN IN THE SEAL COAT AN UNWANTED LONG TERM SOFTENING EFFECT MAY RESULT.

### **USES OF CUT BACK ASPHALT MC30**

CUTBACK AGENTS ARE USED TO LOWER THE VISCOSITY OF BITUMEN WHEN IT IS APPLIED AS A PRIMER TO THE SURFACE OF A ROAD PAVEMENT AGGREGATE BASE COURSE OR SUBSTRATE. KEROSENE IS USED AS A BITUMEN CUTBACK AGENT AT DIFFERENT CONCENTRATIONS ACCORDING TO LOCAL CONDITIONS AND REQUIREMENTS.

THE CUTBACK BITUMEN IS IDEAL FOR PRIME COAT AND COLD APPLIED BECAUSE OF EASY USES AND NO NEED TO THINNING AND HEATING.

CUTBACK BITUMEN MC30 CONSIST OF INITIAL INCORPORATION OF ASPHALT INTO THE SURFACE OF NON-ASPHALT BASED COURSE PREPARATORY TO ANY SUPERIMPOSED TREATMENT OF CONSTRUCTION.

THE CUTBACK ASPHALT MC30 APPLYING TO WATERPROOFING OF SURFACES, PLUG CAPILLARY VOIDS, COAT AND BOND LOOSE MINERAL PARTICLES.

### PACKING OF CUTBACK BITUMEN MC30

PACKING OF CUTBACK BITUMEN MC30 IS IN NEW THICK STEEL DRUM ON PALLET TO PREVENT ANY LEAK INSIDE OF CONTAINER ALSO BULK IN BITUTAINER AND TANKER.

### GUARANTY/WARRANTY OF CUTBACK ASPHALT MC30

ATDM GUARANTY THE QUALITY OF CUTBACK MC30 WITH ARRANGEMENT OF INTERNATIONAL INSPECTOR TO CHECK QUALITY AND QUANTITY OF THE BITUMEN ON EACH SHIPMENT DURING THE LOADING TO VESSEL AND CONTROLLING THE PRODUCTION BY QC TEAM VIA BATCH TEST REPORT BEFORE SHIPPING. ATDM GUARANTY THE QUALITY TO MEET WITH ASTM/EN 15322:2009

### ANALYSIS OF BITUMEN MC30

| PROPERTIES                                       | MIN | MAX | TEST METHOD            |
|--|-----|-----|------------------------|
| KINEMALIC 1 VISCOSITY AT 60°C, EST               | 30  | 60  | ASTM D2170             |
| FLASH POINT (TAG OPEN-CUP),°C                    | 38  | -   | ASTM D1310             |
| DISTILLATE TEST 2 :                              |     |     |                        |
| DISTILLATE, PERCENT BY VOLUME OF TOTAL 360°C     |     |     |                        |
| TO 190°C   | -   | 15  | ASTM D402              |
| TO 225°C   | 20  | 60  | ASTM D402              |
| TO 260°C   | 50  | 90  | ASTM D402              |
| TO 316°C   | 80  | 90  | ASTM D402              |
| RESIDUE FROM DISTILLATION TO 360°C:              |     |     |                        |
| TEST ON RESIDUE FROM DISTILLATION                |     |     |                        |
| PENETRATION AT<br>25°C,100G, 5 SEC.              | 50  | -   |                        |
| DUCTILITY 3 AT 25°C, CM                          | 120 | 250 | ASTM D402 / ASTM D113  |
| SOLUBILITY IN TRICHLOROETHYLENE, PERCENT<br>MASS | 100 | -   | ASTM D402 / ASTM D2024 |
| WATER, PERCENT VOLUME                            | -   | 0.2 | ASTM D95               |

### OUR APPROVALS

