

## SPECIFICATION OF PENETRATION BITUMEN 70/100

### GENERAL DESCRIPTION OF BITUMEN 70/100

ATDM BITUMEN PENETRATION GRADE 70/100 IS HARD PENETRATION GRADE BITUMEN USING AS A PAVING GRADE BITUMEN SUITABLE FOR ROAD CONSTRUCTION AND REPAIR ALSO FOR THE PRODUCTION OF ASPHALT PAVEMENTS WITH BELOW TECHNICAL SPECIFICATION. THIS GRADE OF BITUMEN IS MAINLY USED IN THE MANUFACTURE OF HOT MIX ASPHALT FOR BASES AND WEARING COURSES. PENETRATION GRADE BITUMEN SUPPLIED BY ATDM IS PURE PETROLEUM GRADE BITUMEN, MANUFACTURED FROM VACUUM BOTTOM BY PASSING HOT AIR. THE BITUMEN SUPPLIED BY ATDM IS PRODUCED FROM REMAIN OF CRUDE OIL AFTER CRACKING AND REMOVING HYDROCARBON. PENETRATION GRADE BITUMEN 70/100 HAS PENETRATION BETWEEN 70~100 DESI-MILLIMETER AND SOFTENING POINT BETWEEN 43 ~ 51 C. THE PENETRATION GRADE BITUMEN 70/100 HAS A THERMOPLASTIC PROPERTY WHICH IS LIKE AS SYNTHETIC RESIN MATERIAL WHICH GETS SOFTER WITH HEATING AND HARDENS WHEN COOLED. THIS GRADE OF BITUMEN 70/100 HAS VERY STRONG VISCOSITY COMPARE TO OTHER GRADS.

### GUARANTY/WARRANTY OF BITUMEN 70/100

ATDM GUARANTY THE QUALITY OF BITUMEN 70/100 WITH ARRANGEMENT OF INTERNATIONAL INSPECTOR TO CHECK QUALITY AND QUANTITY OF THE BITUMEN DURING THE LOADING TO VESSEL AND CONTROLLING THE PRODUCTION BY QC BY BATCH TEST REPORT BEFORE SHIPPING. ATDM GUARANTY THE QUALITY TO MEET WITH ASTM/EN 12591.

<b>BITUMEN 70/100</b>	<b>SPECIFICATION</b>	<b>TEST METHOD</b>
SPECIFIC GRAVITY @ 25/25 CG	1.01/1.06	D-70
PENETRATION @ 25 C	70/100	D-5
SOFTENING POINT C	43/51	D-36
DUCTILITY @25 C	100 MIN	D-113
LOSS ON HEATING(WT) %	0.2 MAX	D-6
DROP IN PENETRATION AFTER HEATING %	20 MAX	D-6 D-5
FLASH POINT C	250 MIN	D-92
SOLUBILITY IS CS2(WT) %	99.5 MAX	D-4
SPOT TEST	NEGATIVE	A.A.S.H.O.T102

### OUR APPROVALS

