

## SPECIFICATION OF PENETRATION BITUMEN 40/50

### GENERAL DESCRIPTION OF BITUMEN 40/50

BITUMEN PENETRATION GRADE 40/50 IS USEFUL FOR MEDITERANIN COUNTRIES LIKE ALGERIA AND MOROCO,THE PENETRATION GRADE BITUMEN USING AS AN ASPHALT 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 40/50 HAS PENETRATION BETWEEN 40~50 DESI-MILLIMETER AND SOFTENING POINT BETWEEN 52 ~ 60 C. THE PENETRATION GRADE BITUMEN 40/50 HAS A THERMOPLASTIC PROPERTY WHICH IS LIKE AS SYNTHETIC RESIN MATERIAL WHICH GETS SOFTER WITH HEATING AND HARDENS WHEN COOLED. THIS GRADE OF BITUMEN 40/50 HAS VERY STRONG VISCOSITY COMPARE TO OTHER GRADS.

### GUARANTY/WARRANTY OF BITUMEN 40/50

ATDM GUARANTY THE QUALITY OF BITUMEN 40/50 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 40/50</b>	<b>SPECIFICATION</b>	<b>TEST METHOD</b>
SPECIFIC GRAVITY @ 25/25 CG	1.01/1.06	D-70
PENETRATION @ 25 C	40/50	D-5
SOFTENING POINT C	52/60	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

