

SPECIFICATION OF PENETRATION BITUMEN 50/70

GENERAL DESCRIPTION OF BITUMEN 50/70

ATDM BITUMEN PENETRATION GRADE 50/70 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 UNIQUE TEMPERATURE/VISCOSITY RELATIONSHIP IS IMPORTANT WHEN DETERMINING ITS PERFORMANCE PARAMETERS AND APPLICATION TEMPERATURES. UNLIKE MODIFIED BINDERS, PENETRATION GRADE BITUMEN ACTS AS A NEWTONIAN FLUID AT HIGH IN-SERVICE TEMPERATURES, WHICH ALLOWS ONE TO ESTABLISH A TEMPERATURE/VISCOSITY RELATIONSHIP. 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 50/70 HAS PENETRATION BETWEEN 50~70 DESI-MILLIMETER AND SOFTENING POINT BETWEEN 58

3. 52 C. THE PENETRATION GRADE BITUMEN 50/70 HAS A THERMOPLASTIC PROPERTY WHICH IS LIKE AS SYNTHETIC RESIN MATERIAL WHICH GETS SOFTER WITH HEATING AND HARDENS WHEN COOLED. THIS GRADE OF BITUMEN 50/70 HAS VERY STRONG VISCOSITY COMPARE TO OTHER GRADS.

GUARANTY/WARRANTY OF BITUMEN 50/70

ATDM GUARANTY THE QUALITY OF BITUMEN 50/70 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.

BITUMEN 50/70	SPECIFICATION	TEST METHOD
SPECIFIC GRAVITY @ 25/25 CG	1.01/1.06	D-70
PENETRATION @ 25 C	50/70	D-5
SOFTENING POINT C	46/58	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

