

## SPECIFICATION OF PENETRATION BITUMEN 30/40

### GENERAL DESCRIPTION OF BITUMEN 30/40

BITUMEN PENETRATION GRADE 30/40 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 US IS PURE PETROLEUM GRADE BITUMEN, MANUFACTURED FROM VACUUM BOTTOM BY PASSING HOT AIR. THE BITUMEN SUPPLIED BY US IS PRODUCED FROM REMAIN OF CRUDE OIL AFTER CRACKING AND REMOVING HYDROCARBON. PENETRATION GRADE BITUMEN 30/40 HAS PENETRATION BETWEEN 30~40 DESI-MILLIMETER AND SOFTENING POINT BETWEEN 55 ~ 63C. THE PENETRATION GRADE BITUMEN 30/40 HAS A THERMOPLASTIC PROPERTY WHICH IS LIKE AS SYNTHETIC RESIN MATERIAL WHICH GETS SOFTER WITH HEATING AND HARDENS WHEN COOLED . THIS GRADE OF BITUMEN 30/40 HAS VERY STRONG VISCOSITY COMPARE TO OTHER GRADS.

### GUARANTY/WARRANTY OF BITUMEN 30/40

WE GUARANTY THE QUALITY OF BITUMEN 30/40 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. WE GUARANTY THE QUALITY TO MEET WITH ASTM/EN 12591.

<b>BITUMEN 30/40</b>	<b>SPECIFICATION</b>	<b>TEST METHOD</b>
SPECIFIC GRAVITY @ 25/25 CG	1.01/1.06	D-70
PENETRATION @ 25 C	30/40	D-5
SOFTENING POINT C	55/63	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