



## SPECIFICATION OF PENETRATION BITUMEN 160/220

### GENERAL DESCRIPTION OF BITUMEN 160/220(VACCUM BOTTOM)

BASEKIM BITUMEN PENETRATION GRADE 160/220 IS VERY SOFT AND LIQUID PENETRATION GRADE BITUMEN USING AS RAW MATERIAL OF BITUMEN PRODUCTS WE CALLED VACCUM BOTTOM 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 BASEKIM IS PURE PETROLEUM GRADE BITUMEN, MANUFACTURED FROM VACUUM BOTTOM BY PASSING HOT AIR. THE BITUMEN SUPPLIED BY BASEKIM IS PRODUCED FROM REMAIN OF CRUDE OIL AFTER CRACKING AND REMOVING HYDROCARBON. PENETRATION GRADE BITUMEN 160/220 HAS PENETRATION BETWEEN 160~220 DESI-

MILLIMETER AND SOFTENING POINT BETWEEN 35 ~ 43 C. THE PENETRATION GRADE BITUMEN 160/220 HAS A THERMOPLASTIC PROPERTY WHICH IS LIKE AS SYNTHETIC RESIN MATERIAL WHICH GETS SOFTER WITH HEATING AND HARDENS WHEN COOLED. THIS GRADE OF BITUMEN 160/220 HAS VERY STRONG VISCOSITY COMPARE TO OTHER GRADS.

### GUARANTY/WARRANTY OF BITUMEN 160/220

BASEKIM GUARANTY THE QUALITY OF BITUMEN 160/220 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. BASEKIM GUARANTY THE QUALITY TO MEET WITH ASTM/EN 12591.

BITUMEN 160/220	SPECIFICATION	TEST METHOD
SPECIFIC GRAVITY @ 25/25 CG	1.01/1.06	D-70
PENETRATION @ 25 C	160/220	D-5
SOFTENING POINT C	35/43	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

