



FREE ZONE COMPANY REGISTERED AND LICENSCEED UNDER DMCCA RULES AND REGULATIONS
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PENETRATION GRADED BITUMEN BITUMEN 70/100 Technical Data Sheet

1. Description:

Penetration Graded Bitumen 40/50 is high quality asphalt, derived from crude petroleum refining. It is dark in color and possesses waterproofing and adhesive properties. It is substantially non-volatile and softens gradually when heated.

2. Uses:

This grade is used as binders of mineral aggregates in asphalt concrete and hot laid plant mix for highways, airports, parking areas, driveways and curbs.

3. Specification:

NO	Properties	Method	Spec		Unit
			Min	Max	
1	Penetration @ 25°C	ASTM D 5/97	70	100	d/mm
2	Softening Point	ASTM D 36/95	43	51	°C
3	Loss on Heating	ASTM D 1754/97	..	0.2	%
4	Flash Point	ASTM D-92/97	232	..	°C
5	Ductility @ 25°C	ASTM D 113	100	..	mm
6	Solubility in trichloro ethylene	ASTM D 2042	99.5	..	%
7	Specific Gravity @ 25°C	ASTM D-70	1.01	1.06	
8	Spot test	*A.A.S.H.O.T.102			Negative

*AMERICAN Association of State Highway Officials

4. Safe Handling and Storage:

4.1 Handling:

- Use Personal Protective Equipment (PPE's) when handling (i.e. gloves, eye protectors, etc.
- Maintain safe heating temperatures when using this product
- Avoid contact with skin, eyes and clothing
- Avoid breathing vapor, spray or mists when applying.

4.2 Storage:

4.2.1 Drums

Keep drums in a cool, well-ventilated place.

5. Packaging:

Penetration graded Bitumen 70/100 is available in 0.6 mm thickness, 180 kg net weight drums, 95 cm height and 45 cm diameter (+/- 3 kg operational tolerance)