

# BITUMEN 40-60

(Penetration Grade)

## TYPICAL PROPERTIES

PROPERTY	UNIT	40-60	TEST METHODS
Penetration @25°C, 100gm, 5sec	0.1MM	40-60	EN 1426
Softening Point, Ring & Ball	°C	48-56	EN 1427
Penetration Index	-	-1.5 to +0.7	EN12591-Annex A
<b>Resistance to Hardening @163°C</b>			
- Change in mass, Max	%Wt	0.5	
- Retained Penetration, Min	0.1MM	50	EN 12607-1
- Softening point after hardening, Min	°C	49	
Flash Point Cleveland open cup, Min	°C	240	EN ISO 2592
Solubility in CS <sub>2</sub> , Min	%Wt	99.0	EN 12592
Kinematic Viscosity @135°C, Min	mm <sup>2</sup> /s	325	EN 12595
Paraffin wax content, Max	%Wt	4.5	EN12606-2

**Penetration Grade Bitumen 40/60** is a highly viscous liquid/ semi-solid, which softens gradually when heated. It is derived from petroleum, black brown in color and is substantially non-volatile. It has waterproofing and adhesive properties and is used in road construction and repair of road surfaces, designed for various types of road application such as hot-mix asphalt and bituminous mixtures for pavement base, recommended for regions with summer temperatures > 30°C. Bitumen 40/60 fulfils the requirements for paving grade bitumen in accordance with EN 12591.

**Packaging:** New steel drums, reconditioned steel drums or eco-friendly poly bags. Weatherproof packaging.

**Storage and Handling Recommendations:** Store in unopened containers. Storage temperature limits 1°C - 50°C. For normal operations, such as blending and transferring liquid bitumen, temperatures of 10°C - 40°C above the minimum pumping temperature are recommended.

### Recommended Application Temperatures:

**Storing** : 120°C - 150°C.  
**Mixing** : 135°C - 155°C.  
**Compacting** : 125°C - 145°C.

For further information, please contact:

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