



DURAPAVE Viscosity Grade Bitumen

The application of different viscosity grade Bitumen are as follows:

DURAPAVE VG-10

DURAPAVE VG-10 is widely used in spraying applications such as surface dressing and paving in very cold climate in lieu of old 80/100 Penetration grade. It is also used to manufacture Bitumen Emulsion and Modified Bitumen products.

DURAPAVE VG-30

VG-30 is primarily used to construct extra heavy duty Bitumen pavements that need to endure substantial traffic loads. It is used in lieu of 60/70 penetration grade.

DURAPAVE VG-40

This is the hardest of all the grades and can withstand very heavy traffic loads and hence recommended for very highly stressed areas like near toll booth and intersections, very heavy traffic volume highways, airports runways and container terminals.

Specifications as per IS: 73-2013

S.N.	PROPERTIES	VG-10	VG-30	VG-40
1	VISCOSITY AT 60°C, Poise, Min	800-1200	2400-3600	3200-4800
2	VISCOSITY AT 135°C, cST, Min	250	350	400
3	FLASH POINT, COC, °C, Min	220	220	220
4	SOLUBILITY IN TCE, % MASS, Min	99	99	99
5	PENETRATION, 25°C, 100g, 5Sec, 1/10mm, Min	80	45	35
6	SOFTENING POINT, (R&B), °C, Min	40	47	50
7	TEST ON RESIDUE AFTER TFOT a) VISCOSITY RATIO AT 60°C, Max b) DUCTILITY at 25°C, cm, Min	4.0 75	4.0 40	4.0 25

For all business related information, IndianOil's Bulk Consumer Business Portal may be accessed through website: <https://spandan.indianoil.co.in/BCPC/Login.jsp>