



OXIDIZED BITUMEN

AVAILABLE GRADES

- Oxidized Bitumen 85/25
- Oxidized Bitumen 90/15
- Oxidized Bitumen 115/15

For enquiries, please mail to info@drgbitumen.com

BENEFITS

01

Lower Penetration and Higher Softening Point:

Oxidized bitumen has a lower penetration grade, and a higher softening point compared to pure bitumen, which makes it harder and less sticky. Oxidized bitumen can withstand higher temperatures without softening.

02

Increased Viscosity and Brittleness:

The oxidation process increases the viscosity and makes it more viscous and less penetrative.

03

Chemical Stability:

The oxidation process enhances the chemical stability of bitumen and reduces its susceptibility to environmental degradation.

04

Superior Water Resistance:

Oxidized bitumen is completely water resistant and highly flexible, making it ideal for waterproofing applications in construction.

05

Durability and Aging Resistance:

Oxidized bitumen is more durable and resistant to weathering and aging, which helps maintain its properties over time, especially in harsh environmental conditions.

06

High Flash Point:

Oxidized bitumen has a high flash point, typically above 250°C, making it safer to handle and store.

TECHNICAL SPECIFICATIONS OF DRG BITUMEN OXIDIZED BITUMEN

Sl.No.	Characteristics	Grades and Requirements			Method of Test
		85/25	90/15	115/15	IS Code
i)	Specific gravity at 27 °C	1.00 to 1.05	1.01 to 1.06	1.01 to 1.06	IS 1202: 2021
ii)	Flash point, Cleveland open cup, °C, Min	225	225	225	'IS 1448 (Part 69): 2019' ISO 2592: 2017
iii)	Softening point, °C	80 to 90	85 to 100	110 to 120	IS 1205: 2021
iv)	Penetration at 25 °C, 100g, 5 sec, 1/10 mm	20 to 30	10 to 20	8 to 20	IS 1203: 2021
v)		-	-	-	-
a)	Loss on heating, percent by mass, Min	0.30	0.30	0.30	IS 1212: 2021
b)	Penetration of the residue at 25 °C, 100g, 5 s, percent of original, Min	60	60	60	IS 1203: 2021
vi)	Ductility at 27 °C, cm, Min	3	2	2	PCD/06/17366
vii)	Matter soluble in trichloroethylene, percent by mass, Min	99	99	99	IS 1216: 1978