



# Bitumen 160/220

(Penetration Grade Bitumen)

## PRODUCT DATA SHEET

Bitumen 160/220 is a soft, flexible bitumen grade that is mainly used in cold climate regions, low-traffic road construction, and surface dressing. Its high flexibility and low softening point make it ideal for areas where the bitumen must endure significant temperature changes without cracking.

CHARACTERISTICS	UNIT	LIMITS	TEST METHODS
Penetration @25°C, 100gm, 5sec	0.1MM	160-220	EN 1426
Softening Point, Ring & Ball	°C	35-43	EN 1427
<b>Resistance to Hardening at 163°C</b>			
Change of Mass	%	Max. 1.0	EN 12607-1
Retained Penetration	°C	Min. 37.0	EN 1426
Increase in softening point	°C	Max. 11.0	EN 1427
Flash Point	°C	Min. 240.0	EN ISO 2592
Solubility	%	Min. 99.0	EN 12592
Kinematic Viscosity at 135°C	mm <sup>2</sup> /s	Min. 135.0	EN 12595
Dynamic Viscosity at 60°C	Pa.s	Min. 30.0	EN 12596

### Quality:

The quality of the bitumen is assured for every delivery with arrangement of international inspector to check quality and controlling the production by Quality Control and also by batch test report before shipping.

### Application:

Bitumen 160/220 is used in cold climate regions and low-traffic road construction where flexibility and pliability are essential. Due to its softer nature and higher penetration value, it is ideal for projects requiring bitumen that can withstand significant temperature changes without cracking.

### Application Temperature

*Mixing:* 130°C - 150°C.

*Compacting:* 120°C - 150°C.

### Health & Safety:

Bitumen is unlikely to present any significant health or safety hazard when properly used in the recommended application, provided good standards of industrial and personal hygiene are maintained.

### Packaging:

New steel drums, reconditioned steel drums or Bulk.

Steel Drums : 180Kg, 200Kg

Bulk : Tank Containers

### Code Approvals/Compliance:

Meets: BS EN 12591, SANS 4001-BT1:2016

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