

Description

Bapco Bitumen is known for its high and consistent product quality.

Bitumen is a semi-solid hydrocarbon product produced from refining crude but also occurs naturally. It is often referred to as asphalt and the terms are commonly used interchangeably; however, bitumen is the black oil product while asphalt is a combination of bitumen and aggregate stone. It is a very heavy, viscous material, is highly resistant to water and to environmental factors and requires storage and transportation at very high temperatures.

It is primarily used by the construction industry, most notably for roofing and road surfaces, which accounts for approximately 85% of all bitumen use.

Characteristics

		Method	Unit	Typical Value
Bitumen 20/30				
	Penetration @ 25°C	EN 1426	mm/10	20/30
	Softening point °C	EN 1427	°C	53/65
	Kinematic Viscosity @ 135°C	EN 12595	mm ² /s	530 min
	Flashpoint °C	EN 22592	°C	240 min
	Solubility is CS ₂ (wt)%	EN 12592	wt%	99 min
Bitumen 30/45				
	Penetration @ 25°C	IP 49	mm/10	30/45
	Softening point °C	IP 58	°C	52/60
	Kinematic Viscosity @ 135°C	IP 319	mm ² /s	400 min
	Flashpoint °C	IP 36	°C	240 min
	Solubility is CS ₂ (wt)%	IP 47	wt%	99 min
Bitumen 35/50				
	Penetration @ 25°C	IP 49	mm/10	35/50
	Softening point °C	IP 58	°C	50/68
	Kinematic Viscosity @ 135°C	IP 319	mm ² /s	400 min
	Flashpoint °C	IP 36	°C	240 min
	Solubility is CS ₂ (wt)%	IP 47	wt%	99 min
Bitumen 40/60				
	Penetration @ 25°C	IP 49	mm/10	40/60
	Softening point °C	IP 58	°C	48/56
	Kinematic Viscosity @ 135°C	IP 370	mm ² /s	325 min
	Flashpoint °C	IP 36	°C	230 min
	Solubility is CS ₂ (wt)%	IP 47	wt%	99 min
Bitumen 50/70				
	Penetration @ 25°C	IP 49	mm/10	50/70

	Softening point °C	IP 58	°C	46/54
	Kinematic Viscosity @ 135°C	IP 370	mm ² /s	295 min
	Flashpoint °C	IP 36	°C	230 min
	Solubility is CS ₂ (wt)%	IP 47	wt%	99 min
Bitumen 70/100				
	Penetration @ 25°C	IP 49	mm/10	70/100
	Softening point °C	IP 58	°C	43/51
	Kinematic Viscosity @ 135°C	IP 370	mm ² /s	230 min
	Flashpoint °C	IP 36	°C	225 min
	Solubility is CS ₂ (wt)%	IP 47	wt%	99 min
Bitumen 100/150				
	Penetration @ 25°C	IP 49	mm/10	100/150
	Softening point °C	IP 58	°C	39/47
	Kinematic Viscosity @ 135°C	IP 370	mm ² /s	175 min
	Flashpoint °C	IP 36	°C	230 min
	Solubility is CS ₂ (wt)%	IP 47	wt%	99 min
Bitumen 160/220				
	Penetration @ 25°C	IP 49	mm/10	160/220
	Softening point °C	IP 58	°C	35/43
	Kinematic Viscosity @ 135°C	IP 370	mm ² /s	135 min
	Flashpoint °C	IP 36	°C	220 min
	Solubility is CS ₂ (wt)%	IP 47	wt%	99 min