



ZÜMRÜT INTERNATIONAL KİMYA SAN. VE TİC.LTD

Bitumen Penetration Grade 50/70 Specifications

Bitumen 50/70	Test method	Unit	Specification
<i>Penetration – 25°C, 100g, 5s</i>	<i>EN 1426</i>	<i>mm</i>	<i>50-70</i>
<i>Softening Point (Ring & Ball)</i>	<i>EN 1427</i>	<i>°C</i>	<i>46/54</i>
<i>Kinematic Viscosity @ 135°C</i>	<i>EN 12595</i>	<i>mm²/s</i>	<i>295 Min</i>
<i>Penetration Index</i>	<i>EN 12591</i>	<i>–</i>	<i>-0.8</i>
<i>Solubility in Xylene</i>	<i>EN 12592</i>	<i>%</i>	<i>99 Min</i>
<i>Flashpoint (Cleveland Open)</i>	<i>EN 22592</i>	<i>°C</i>	<i>230 Min</i>
<i>Resistance to Hardening at 163 °C</i>			
<i>Change in mass (m/m)</i>	<i>EN12607-1</i>	<i>%</i>	<i>0.5 Max</i>
<i>Retained Penetration 25°C, 100g, 5s (% of original)</i>	<i>EN 1426</i>	<i>%</i>	<i>50 Min</i>
<i>Increase in softening point</i>	<i>EN 1427</i>	<i>°C</i>	<i>11 Max</i>

Special Applications

1. **Bridge Decks and Flyovers** : Employed in the construction of bridge decks and flyovers, where materials need to accommodate structural movements and heavy loads.
2. **Sports Courts and Playgrounds** : Used in the construction of sports courts and playgrounds, providing a smooth and resilient playing surface.
3. **Cycle Paths and Footpaths** : Suitable for paving cycle paths and footpaths, ensuring a smooth and durable surface for pedestrians and cyclists.



Karşıyaka mahallesi,749 sokak ,No 30 ,
Gölbaşı/Ankara/Türkiye



www.zumrut-int.com



+90 555 160 57 39
+90 312 544 45 81



Info@zumrut-int.com