



Bitumen Types and Their Uses:

- *Paving Grades - road surfacing, and some industrial applications*
- *Hard Grades - paints and enamels etc*
- *Oxidized/Blown Grades - roofing, waterproofing, electrical products, and many others*
- *Cutback Bitumen - spraying and some mixing applications*
- *Bitumen Emulsions - used largely in road surfacing applications*
- *Polymer Modified Binders (PMBs) - there are different types and they can be used for many of the applications mentioned above*

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<i>Penetration Bitumen MC-250</i>	<i>Specification</i>	<i>Test Method</i>
<i>Kin. Vis. @60 °C</i>	<i>Cst. 250-500</i>	<i>D-2170</i>
<i>Flash Point (tag open-cup) °C</i>	<i>66 Min</i>	<i>D-3143</i>
<i>Distillation Test</i>		<i>D-402</i>
<i>Distillate, vol% of Total Distillate to 360 °C</i>		
<i>To 225 C</i>	<i>(vol)% 10 Max</i>	
<i>To 260 C</i>	<i>(vol)% 15-55</i>	
<i>To 316 C</i>	<i>(vol)% 60-87</i>	
<i>Residue From Distillation</i>		
<i>To 360 °C</i>	<i>(vol)% 67 Min</i>	
<i>Test on Residue From Distillation</i>		
<i>Ductility @ 25 °C</i>	<i>Cms. 100 Min</i>	<i>D-113</i>
<i>Penetration @ 25 °C</i>	<i>120-250</i>	<i>D-5</i>
<i>Solubility in Trichloroethylene</i>	<i>(Wt)% 99.0 Min</i>	<i>D-2042</i>
<i>Water Content</i>	<i>(vol)% 0.2 Max</i>	<i>D-95</i>

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