



BITUMEN AC-40

DESCRIPTION

It is a **Most AC binders** are used in hot applied surface treatments, but other uses include precoating, tack coat, and recycling. The **AC nomenclature** uses numbers to indicate the **stiffness or viscosity** of the asphalt. As the number get higher, the binder gets **stiffer/harder**. Designations are added for polymer additives (**SBR** for **styrene-butadiene-rubber**, **P** for **styrene-butadiene-styrene** block copolymer, and **TR** for tire rubber). Application temperatures of asphalt cements, especially the more **viscous** grades, are from **300°F to 400°F**.

APPLICATIONS

The main common usage of this product is in road making at temperate regions.

HEALTH & SAFETY

The **MSDS** for this product can be obtained on request.

QUALITY SPECIFICATIONS

BITUMEN AC 40		
CHARACTERISTIC	AC 40	TEST METHOD
Viscosity 60 °C (140 °F) Pa.s	400±80	ASTM D 4402
Viscosity 135 °C (275 °F), Cst, Min	300	ASTM D 4402
Penetration 25 °C (77 °F), 100 g, 5s, 0.1mm, Min	20	ASTM D 5
Flash Point, Cleveland open cup, °C (°F), Min	230(450)	ASTM D 92
Solubility in Trichloroethylene, Min	99.0	ASTM D 2042
Test on Residue From Thin-Film Oven Test		
Viscosity Ratio ° 60C (°F), Pa.s, Max	2000	ASTM D 4402 - D 1754
Ductility ° 25C (° 77F), 5cm/min,Cm, Min	10	ASTM D 113

