

SEALKOTE SB

SEALKOTE SB is a top layer road pavement sealing material. This single component liquid is applied as a thin layer on asphalt pavements to restore the asphalt's elastic properties and prevent oxidation. SEALKOTE SB is a proprietary formulation using bitumen, polyurethane and/or acrylic monomers; SEALKOTE SB coating is designed to prevent the breakdown of asphalt surfaces and microscopic cracks. A road coated with SEALKOTE SB is protected from water penetration, erosion and deterioration. This increases safety and prolongs service life. SEALKOTE SB penetrates 4cm into asphalt pavements, rejuvenating their oxidized binder.

Benefits

- Extended road service life
- Better road quality
- Better drive quality
- Impermeability to water penetration, and oxidation
- Increased pavement safety through higher friction and better pavement visibility
- Improved resistance against permanent deformation at high temperature through its high (zero-shear) viscosity derived from its polymer network.
- Improved crack resistance at low temperature by shifting the critical cracking temperature to lower levels.
- Improved resistance against mechanical and thermal fatigue due to its increased toughness
- Improved fretting resistance by improving the binders' toughness.
- Improved ageing resistance and resistance against ageing brittleness, in particular for the exposed binder in porous asphalt.

Applications

Asphalt is the dominant paving material for roads and runways. Polymer modification of the bituminous binder has become widespread due to increases in number and severity of requirements. These requirements include:

- Heavier loading of roads due to increased amount of traffic and its increasing weight.
- The increased safety expectations for skid resistance and condition of the roads surface over its lifetime.
- Need to reduce overall cost to authorities and users including maintenance costs and delays together with the insurance related vehicle damage.
- Improved ride comfort for the road user.
- Reduced impact on the living environment by, for instance, noise emission reduction.
- Ease and speed of construction, to optimize building costs and minimize end product quality variations.



Pune Satara Road, Pune, India
Client : PWD, Pune, India



SBI Main Branch, Pune, India
Client : PWD, Pune, India



Seremban 2, Malaysia
Client : Blue Tech Sdn Bhd, Malaysia