

# ELASTOROOF - SB

## ONE COMPONENT ELASTOMERIC MEMBRANE

### PRODUCT DESCRIPTION:

**ELASTOROOF-SB** is a single component self-curing bitumen extended with styrene & polybutadien in a blended homogenous liquid applied elastomeric membrane for waterproofing and protection of a wide range of surfaces. The product cure to a tough rubber like finish with exceptional elasticity which allows for expansion and contraction over a wide range of temperatures.

**ELASTOROOF-SB** provides complete, seamless, waterproofing membrane free from joints replacing asphalt system and self-adhesive asphalt membranes.

**ELASTOROOF-SB** has excellent bonding to substrate; thus, water cannot travel beneath the membrane even if accidentally punctured.

**ELASTOROOF-SB** is simple to apply by brush, roller or spraying application straight from the pail.

**ELASTOROOF-SB** may be applied to horizontal surface with or without additional thinner. On vertical surfaces it should be applied in multiple coats. A non-sag grade is available where coating of extensive vertical areas is required.

### BASIC USES:

**ELASTOROOF-SB** is ideally suited for the waterproofing of two course concrete slab construction for parking garages, decks, shopping malls and other areas, bridge decks, elevated side walk and roadways or in single course construction for waterproofing of industrial roofs & residential roof, tunnels, planters and base slabs and also as a waterproofing between the structural slab and concrete topping of roofing system and under flashing.

Long term continuous water submersion does not affect **ELASTOROOF-SB** adhesion to the substrate.

**ELASTOROOF – SB** can be applied on old roofs, where remnants of bitumen or coal tar could not be 100% removed in maintenance projects. Since it could have ultimate bonding with surface where bituminous or coal-tar based products were used previously.

### LIMITATIONS:

- **ELASTOROOF-SB** is not designed for and may not perform under the following conditions or circumstances.
- **ELASTOROOF-SB** is not be used as a finishing traffic surface.
- To get the extended life expectancy, an aluminum paint application is highly recommended post waterproofing to reduce UV effect and temperature gain due to sunlight.
- Don't apply **ELASTOROOF-SB** over light weight concrete without prior approval from Chemi Tech Technical services Department.

**COLOR** : Black  
**PACKING** : 20 liter pails, 30 liter Cans.



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### INSTALLATION:

#### Preparatory work:

All surface must be smooth, dry, firm and free of voids, projections, loose materials, oil, grease curing compounds and other foreign matter. Concrete decks should be cured for a minimum of 7 days (preferably 28 days) before applying membrane.

### APPLICATION:

**ELASTOROOF-SB** while designed primarily for horizontal application with its self-leveling characteristics, may be applied to vertical surfaces with a roller or suitable spray equipment. however, it will be necessary to make several coats to build up the desired thickness. An application of 300 to 500 microns thickness is recommended for horizontal surfaces. Don't apply membrane unless the ambient temperature is at least 40°F and rising.



### CURING:

Although **ELASTOROOF-SB** attains a relatively fast cure, In the uncured state, light rainfall will not cause physical or chemical damage to **ELASTOROOF-SB**, however, heavy rainfall may cause such physical damage that the material will have to reapplied.

**ELASTOROOF-SB** may develop blisters or bubbles when applied to concrete having a relatively rough finish or sand pits. This can be minimized by applying a prime coat of **ELASTOROOF - SB** that has been diluted with toluene or Xylene in equal part. Allow the primer coat to cure before applying the finish coat.

Properties	Test Method	Result
Sore A Hardiness	ASTMD 2240-1997	25
Solid Content (By Weight)	ASTMD 2939-1997	80%
Crack Bridging	ASTMC 836-1995	Passes
Low Temperature Flexibility	ASTMC 711-1993	No Cracking No Blistering
Tensile Strength	ASTMD 412-75	180 psi
Elongation	ASTMD 412-75	500%
Recovery % @ 100% Elongation		100%
@ 200% Elongation		95%
Peel Off Strength	ASTMC 711-1993	1300 N/M