

# ZOLVTEK RBE

## Rubberized Bitumen Emulsion

**ZOLVTEK RBE (Rubberized Bitumen Emulsion Protective Coating) is a cold applied, highly rubberized, polymer modified liquid blend of selected Bitumen's emulsified with water to give an easily applied protective coating. ZOLVTEK RBE is dark in color which dries to form a tough black, flexible damp proof and vapor proof membrane with excellent adhesion to most substrate. ZOLVTEK RBE acts as a damp-proof membrane and vapor seal for concrete and masonry. It can also be used as a protective coating for concrete below ground or asbestos cement, roofing felt, mastic Bitumen and corrugated iron as a water and moisture barrier. It is most effective when cracks are expected in the surface. ZOLVTEK RBE is also applied on tanking and waterproofing structures to provide an impervious waterproofing membrane. On floors it provides a sandwich membrane during construction of surface treatment. ZOLVTEK RBE is also used as foundation protective coating and curing membrane. It is especially formulated for corrosion protection and waterproofing of substrate including metals.**



## USES OF ZOLVTEK RBE

ZOLVTEK RBE must be mixed thoroughly by hand and may be applied by brush, broom or squeegee. It is recommended that one or two coats should be applied depending on the degree of protection required. It is recommended that silica sand is spread on the first coat to add in the adhesion of the second coat. Allow 24 hours between the two coats. Where the ZOLVTEK RBE is to take a screed, the second coat should be blended with clean, dry sharp sand as soon as it is applied. The excess sand should be brushed off when the coating has dried. Allow the ZOLVTEK RBE to cure for a week before performing water testing. The following features and benefits of using ZOLVTEK RBE:

- Easy to use, cold applied
- Economical.
- Seamless joint free.
- Multi-purpose: serves both as protective coating and curing membrane.
- Contains no solvents, no health hazard.
- Resists attack by chloride and sulphates ions present in the ground water.
- Adheres to a wide range of materials including concrete, steel, cork and wood and effective on damp surfaces.
- It is a high grade rubberized bitumen-coating dries to a tough and resilient coating. The cured coating presses excellent adhesion to both cementitious and metal surfaces. As a curing membrane for hydration of content.
- Odorless and non-toxic.
- Excellent adhesion on prepared substrates

## PACKING OF ZOLVTEK RBE

AL SAFI CHEMICALS IND. LLC is a manufacturer of ZOLVTEK RBE in various packing including 20 liters and 200 liters drum palletized and strapped. Store at temperature between 5°C and 50°C in a tightly sealed container. Shelf life is minimum of 1 year in a good storage protected from direct sunlight and frost.

## GUARANTY/WARRANTY OF ZOLVTEK RBE

AL SAFI CHEMICALS IND. LLC guaranty the quality of ZOLVTEK RBE with arrangement of international inspector to check quality and quantity of the bitumen on each shipment during the loading to vessel and controlling the production by QA team via batch test report before shipping. AL SAFI guaranties the quality to meet with ASTM/EN 13304:2009.

## ANALYSIS OF ZOLVTEK RBE

PROPERTIES	SPECIFICATION
Color	Brown
Composition	Thixotropic cold applied bitumen emulsion with added rubber latex
Density	Approx. 1.01kg/liter
Viscosity	20-40 Ps
Flash Point	Above 32°C
Toxicity	Non Toxic
Surface temperature, Limits, °C	Between -4 and 40
Rubber Content	Min. 10%
Tack Free	12 Hrs. dependent on ambient temp.+ Humidity

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*Manufacturers of:*

- Bitumen emulsions and primers
- App & SBS modified membranes
- Self adhesive membranes
- Roofing felts
- Construction chemicals
- Road bitumens