



## BITUMEN PRIMER

### DESCRIPTION

Bitumen Primer is made with bitumen grade 90/15 as per IS. Bitumen Primer works to improve adhesion. They add a new organic layer at the interface (of the substrate and the Mastic). The new layer bonds well both to the substrate (RCC concrete surface) and to the Bitumen Mastic. This new layer is very thin and it provides improved interfacial bonding. Bitumen Primer is strongly adsorbed onto the surface of the substrate. The adsorption may be so strong that it has the nature of a chemical bond. Such adsorption is referred to as chemisorptions to distinguish it from reversible physical adsorption.

### HOW IT IS USED

Bitumen Primer is applied either through paint brush or paint rollers on the RCC concrete surface where Mastic lining is to be applied. This layer of coating requires at least 6 hours before any other coating or Mastic lining is applied.

### USES

Bitumen Primer is recommended for floors, drains, sumps, pump and vessel foundation, ETP plant RCC tank, acid storage tank.

### PHYSICAL PROPERTIES

No	Property	Result
1	Color	Black
2	Finish	Smooth and edge
3	Application	Painting brush
4	Coverage	3 to 4 sq m/litre
5	Drying time 25 °c	Maximum 60 Minutes.
6	Consistency	Smooth and uniform
7	Flexibility & adhesion after 96 hours	No visible damage or detachment of the film
8	Stripping test	Scratches free from jagged edges
9	Protection against corrosion under condition of condensation	No sign of corrosion
10	Specific Gravity at 25 °c	0.875 to 0.900
11	Viscosity in Sec at 25 °c	20 - 30
12	Resistance to acid	Test passed, certification available
13	Resistance to alkali	Test passed, certification available
14	Shelf life	12 month @30°c

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