



# BITUGUARD



BITUGUARD is an emulsified thixotropic bitumen damp proof protective coating. The coating dries to form a black flexible protective film. The finished film forms a tough barrier to vapour transmission. Bituguard incorporates fibres that provide reinforcements provide high tensile and bond strength. It is used as the internal lining of water storage tanks, including for potable water, External treatment of below ground structures against water ingress and attack by aggressive groundwater.

## RECOMMENDED APPLICATION SUBSTRATE

Internal Below Area : Basement Area, Retaining Wall, Plinth Area, Beam-column, Rcc Walls, Concrete, Water Tanks, Plasters Etc.

External Non-exposed Area : Water Tanks, Fountain Areas, Planters, Landscape Area, Podiums, Roofs, Terraces, Balconies, Chajjas, Masonry Walls, Garden Areas Etc.

## BENEFITS & KEY FEATURES

 DPC COATING	 ANTI-ROOT PROPERTIES
 BREATHABLE	 WATERPROOFING PROPERTIES
 ELASTOMERIC	 LESS WATER INGRESSION
 DAMP PROOF	 NONTOXIC
 HIGH STRENGTH	

## TECHNICAL SPECIFICATION

Appearance	Black Base
Elongation (ASTM D 412)	60%
Tensile Strength (ASTM D 412)	>1N/mm <sup>2</sup>
Crack Bridging	Up To 1 mm
Thicknes	Approx 500 Microns @ 2 coats

PACKAGING	COVERAGE	SHELF LIFE
5 kg, 10kg & 20 kg Pail	35-40 Sq. ft /kg / per coat coats: 2 min	12 months from date of packing. It must be seal pack & stored under proper condition. Store in a cool & dry place, keep away from direct sunlight.

## DIRECTION FOR USE

### SURFACE PREPARATION



- The surface to be waterproofed must be sound, clean, free of dust, oil, paint, curing agents, loose cement, concrete, debris, or any separation layers. All sharp edges need to be levelled, honeycombs to be treated and loose concrete to be removed and repaired using GLOBCON SC 40. All cracks wider than 1 mm, construction joints, adjacent joints like a wall to floor and wall to wall joints need to be opened into a v-groove and to be filled with a Mixture of GLOBCON SC 40 and GLOBCON SBR ULTRA or SBR 500, Premixed in a ratio of 3 (powder): 1 (liquid).

## IMPORTANT

- The strength and reliability of any coating are only as good as the surface on which it is applied. Suppose this is weak or powdery, such as soft or friable mortar or poor concrete, or flaky, as cement laitance or old coating material. In that case, the BITUGUARD membrane may fail along with the substrate surface.

### APPLICATION



- Apply 1<sup>st</sup> coat of BITUGAURD by using a roller or brush at the rate of 3 sq. mtr. Per 1 kg. Allow it dry for 6-8 hours.
- Apply the second coat of the BITUGAURD in the opposite direction to the first coat. Check to see no void surface is left uncoated with a second coat. Allow the second coat to dry for 6-8 hours.
- Apply the third coat of BITUGAURD in the opposite direction to the second coat by maintaining the coverage rate. Check to see no void surface is left untreated/uncoated. All coats should be applied in a direction perpendicular to each other.
- Kindly do not try to cover more area for extra coverage. Maintain a proper procedure for application. This would ensure the correct consumption of material that will deliver a total DFT of 500 microns @ 2 coats.
- Drying time between coats will be 6 to 8 hrs. Allow the system to air cure for 7 days minimum. A total thickness of 500 -700 microns must be achieved when BITUGAURD is dry.

## PRECAUTIONS & LIMITATION

- Do not apply during rain substrate must be in SSD condition to apply primer and coating.
- Movement of machinery or sharp objects are strictly prohibited.
- Do not apply BITUGUARD ULTRA over expansion joints.
- The parapet walls should be covered with BITUGUARD ULTRA for full proof waterproofing of terraces and roofs.
- Do not dilute BITUGUARD ULTRA for ease of application
- Do not try to cover a larger area during application for extra coverage.
- Do not apply when the ambient temperature is below 10°C or above 35°C.