



BITUGUARD ULTRA



DIRECTION FOR USE

SURFACE PREPARATION



- Prepare the surface thoroughly by cleaning, washing and removing dust, dirt, oil, grease and loose particles. The substrate must be checked for its soundness in existing old terraces with Brickbat coba or screeds. Damaged or hollow portions, sharp edges, etc. Must be cut and removed till the mother slab. All surface cracks

up to 5 mm width should be filled up using proper crack filling material like PU crack sealant or acrylic sealant. Any areas which need to be repaired should be treated by proper repair and patchwork work system by using GLOBCON ULTRA SBR and SBR 500 for proper bonding.

- Ensure that the roof slope of a minimum of 1 in 100 is already provided.

PRIMING



Dilute 1 part of BITUGUARD ULTRA with 1 one amount of water. This dilution will cover 6 to 7 sq. mt. Allow it to dry for 6 to 8 hrs.

APPLICATION

- Apply 1st 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.

TESTING OF COATING

7 days after application of BITUGUARD ULTRA should be checked for its dry film thickness after air curing. For this, mark a square of 5 cm x 5 cm for every 200 sq. ft. of the area. Cut the square with a knife diagonally across the square. Rip the coating and check the coating's thickness with vernier callipers to see if the dry film has an average thickness of 1mm. Once these tests are done, reapply the material over these portions following the regular procedure.

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.

BITUGUARD ULTRA is a high performance, ready to use, cold applied, single component, high elastomeric build liquid waterproofing membrane based on aliphatic polyurethane modified bitumen emulsion. BITUGUARD ULTRA forms a seamless, highly elastic and durable film that adheres well to most common substrates, e.g. concrete, cement blocks, wood, existing roof felts. It is highly resistant to chlorides and sulphates ions commonly present in the soil. It also has anti rooting properties and UV resistant.

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

	ANTI CARBONATION		CRACK BRIDGING
	DURABILITY		EASY USE
	HIGH CRACK BRIDGING		BREATHABLE
	UV RESISTANT		SELF PRIMING

TECHNICAL SPECIFICATION

Appearance	Black Thixotropic Emulsion
Total Solids %	65 ± 5
Elongation (ASTM D 412)	>500 %
Tensile Strength (ASTM D 412)	>1N/mm ²
Crack Bridging	Up To 2 mm
Hardness Shore A (ASTM D 2240:2002)	>30
Algal And Fungal	No Growth
Coating Thickness@ 2 Coat DFT)	Approx 1000 Microns
Chloride Penetration	Low

PACKAGING	COVERAGE	SHELF LIFE
5 kg, & 20 kg Pail	40-50 Sq. ft /kg / per coat	24 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.

FUTURE MAINTENANCE

In case of a deterioration of the coating. It is easy to recoat the surface over the existing treatment. If cracks any, open the cracks using proper tools and fill it with PU crack sealant. Apply one layer of BITUGUARD ULTRA over it and place a fibre mesh while it is still wet. After drying, apply a second coat for better strength.