Roofex®-2200WB

Single component PU based, High Performance, Water Based, UV Resistance Waterproof Coating.

Product Properties

- Crack Bridging Water proof coating for concrete surfaces on the basis of modified Polyurethane resin.
- Resistance to Oxidation
- Seamless membrane with an Excellent Water Vapor Barrier Properties
- Weathering and ultra violet (UV) resistant and long-term aging stability
- Environmentally friendly, Non-Toxic
- Cured Membranes are highly flexible even at extreme temperature
- Single component, Cold applied, Application by roller or spraying
- It confirms to ASTM C-836 & ASTM C-898

Areas of Application

- Waterproofing for Roof Gardening for both old and New roof, Suitable for Planter box waterproofing
- Suitable for Balcony, Terrace, Parking area, swimming pool, wet area Waterproofing.
- Suitable for Positive waterproofing for Foundation, retaining wall, Basements and other Concrete Sub-structures.
- Suitable seamless waterproof coating for water retaining structure like swage tank, Firefighting tank, utility tank, sunken areas and inverted roofs.

Application Notes

General

Roofex® 2200WB system is a single component, water-based moisture cured advanced aliphatic polyurethane based liquid applied membrane specially designed for waterproofing of concrete structures subjected to high flexibility. It is an elastic membrane forming material, hence it can provide good crack bridging up to 2mm in concrete.

Advantage

Roofex® 2200WB provides excellent water vapor Barrier for the concrete structure. **Roofex® 2200WB** confirms to ASTM C309 hence it can also be recommended as waterproof cum curing compound for concrete structures. It forms a seamless, durable film with suitable bonding with Concrete, Cement Concrete blocks etc.

Surface Preparation

All surfaces should be cleaned thoroughly by mechanical equipment. All the unsound surface must be removed and make free from any foreign contaminations. Incase of new construction, concrete must be fully cured for minimum 28 days. Minor cracks honeycombs should be treated properly by **Nafuquick** readymade mortar. Any existing waterproofing work (If any) must be completely removed. Smoothen the base with mortar or **Nafuquick** readymade mortar. Algae, Fungi, moss or small vegetation if any should be cleaned thoroughly with suitable herbicides for preventing further growth. After this treatment clean the surface with jet water completely.

Priming

Requirement of Primer before application of **Roofex® 2200WB** depends on the substrate quality. If the surface is non-porous then application of Primer is not required but if the surface is porous then same **Roofex® 2200WB** can be used as a primer for the substrate. For primer **Roofex® 2200WB** can be diluted with 20% of Water. Allow 10 to 30 minutes at a temperature of 20 ^{0} C for the primer to Dry, before application of **Roofex® 2200WB.**

Application

Roofex® 2200WB can be applied by Nylon bristle brush, Roller or squeegee Depending upon substrate. Application of Coating should be commenced on the Surface Saturated Dry condition for better workability. If the surface is Dry enough or if the surface temperature is more than 35^{0}C then prior to application all the surface should be moisten by help of water to bring the surface in to SSD condition.

Minimum Two coats of **Roofex® 2200WB** are recommended for achieving better waterproofing properties. During the application of 1st coat the coating should be done in “X” Direction, ensuring continuation of coating through out the surface need to be waterproofed. 2nd coat should be applied after the 1st coat will be completely dry on the “Y” Direction, Ensuring Continuation of Coating throughout the surface.

During application of **Roofex® 2200WB** in Vertical or Horizontal corner a 45-50 gsm fiber mess can be sandwiched between 1st coat and the 2nd coat. During application of **Roofex® 2200WB** in 1st coat and 2nd coat it should not be diluted with water at any circumstances.

Roofex® 2200WB should be applied at minimum 1mm thickness in two coats. In case of basement positive waterproofing, a protection board or a protective plaster is recommended before back filling, to prevent the membrane from any mechanical Damage.

Curing

Roofex® 2200WB is self-cure. Its curing time depends on type of substrate, Substrate / air temperature, humidity and thickness of layer. Any protective screed should be done after 24 hours of the application.

Technical Data for Roofex® 2200WB

Characteristic	Unit	Value*	Comments
Consumption	m^2/kg m^2/kg	6 - 12 0,5	**Roofex® 2200WB** diluted with 20% water **Roofex® 2200WB** (For 2 Coats)
Solid Content	%	60	By Volume
Density	Kg/Litre	1,4	
PH Value	Value	7.35	
Viscosity	CPS	25000	
Elongation	%	200	As per ASTM D2370
Water absorption	%	12 – 15	
Temperature Resistance	^{0} C	50	
Application Temperature	^{0} C	+5 to +40	
Curing Time	Days	7	
Recoating Time	Hour	6	

Product Characteristics for Roofex® 2200WB

Type of Product	Water Based Aliphatic PU
Form	Smooth pasty liquid
Cleaning Agent	water
Colour	White, Light Grey
Shelf Life	12 months from date of Manufacture
Delivery	20 kg
Storage	In Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost
Disposal	Empty packs completely and dispose off carefully to protect our Environment

Safety Advice
Please Take notice of the safety information and advice given on the packaging labels, safety information sheets and General Application Advice.

Edition: - MC/IND/190624, Some Technical Changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

Dhawan Associates,11/155 Sec-3 Rajendra Nagar, Sahibabad Ghaziabad, UP, Tel. : 9999005460 / 9310997953
E-mail : dhawan@mkdhawan.com, Website : https://waterproofingonline.in