

## Nikhoxy<sup>®</sup> WB

### Water Thinnable Epoxy Coating

#### Description

**NIKHOXY-WB** is a two-component epoxy resin based waterproofing compound. One part consists of epoxy resin and the other part of curing agent. After mixing both the parts, it can be thinned down with water. It possesses all the attributes of normal solvent based epoxy compositions such as excellent water and chemical resistance, adhesion, hardness, toughness and mechanical strength. One of the major advantages of NIKHOXY-WB over solvent based epoxy is that it can be applied on damp surface also. Being free from solvents, it does not pose any health hazard to the applicator. NIKHOXY-WB is completely, consistent & economical to apply.

#### Features / Advantages

- Water dilutable
- Being water based, it penetrates in concrete/plaster surface and seals the porosity and network of fine cracks
- It is Food grade material
- Reduces water permeability
- After curing it forms hard, tough and strong film
- Bonds strongly on cement concrete/mortar, plaster, asbestos sheet etc.
- Excellent resistance to water, salt water, dilute acids, alkalis, soap water, and other chemicals
- Excellent resistance to positive (hydrostatic) water pressure
- Eco friendly & non-toxic in nature

#### Typical Application

- Cement-concrete water storage tanks
- Damp walls (interior / exterior)
- As a primer before painting (interior / exterior)
- Toilet and kitchen walls
- Coating on walls of breweries & food processing industries
- As a putty with OPC-white cement to fill the fine cracks of external walls
- Hatcheries & aqua farms.
- Can be applied on MS /GI Sheets along with Epoxy primer.

#### Technical Information

Sr. No.	Properties	Specification
1	Nature	Two components
2	Mixing Ratio	1:1:1 (Part I: Part II : Water) part by weight
3	Consistency after mixing	Free flowing smooth paste
4	Application time (Pot life) at 30° C	1 to 1 ½ hrs
5	Surface dry	50 to 60 min
6	Drying time at 30° C	5 to 6 hrs
7	Hard dry	16 to 18 hrs
8	Curing time at 30° C	24 hrs
9	Inter-coat period at 30° C	16 to 18 hrs

#### Methods of Application

##### Surface Preparation

Surface preparation is the first and the most important step before the application to get the results and to avoid failure. The substrate must be cleaned and free of dirt, paint, oil, grease, sludge, blistered & loose plaster, fungus & moss etc. by thorough wire brushing followed by sanding with emery paper is recommended. Remove the dust by compressed air or paint brush or wiping with water-soaked cloth.

##### Crack Filling

The construction joints in the RCC and retaining walls will be chiseled and groove shall be prepared. The groove shall then be filled with a putty of Polymer Modified Mortar comprising of Cement & Mahacrete 776. Grouting will be done at all critical locations with a mixture of Mastergrout CPG 100 & cement in a proportion of 250 Gms Mahagrout CPG 100 to be dry mixed with 50 kgs grey cement bag. Once grouting is done seal the holes with fast setting plugging compound i.e., Rhino Plug.

##### Joint Treatment

All corners or concrete slab-wall joint/junctions, construction joints should be opened with chiseler to a size of 3 x 3 cm, making "V" groove shape and fill the groove with Polymer Modified Mortar. These grooves should be finished in a shape of a cove to provide a smooth edge.

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### Mixing & Application

- Nikhoxy WB is 2 component ready to use product & having mixing ratio of Part I: Part II: water 1:1:1.25 by weight of water.
- The component B is added to the component A & mix it continuously by using a mechanical stirrer with a rpm of 300-350 for 2 to 3 minutes.
- Add water quantity as per mixing ratio slowly under stirring till homogeneous in appearance and consistency.
- The mixed material is now ready to be for application.

### Coverage

70-80 sq. ft./kg/coat. It may vary and depends upon surface undulations and other detailing.



### Packing

1 kg, 2 kg & 10kg



### Storage and Shelf life

Store in a cool dry place under shed away from heat. Shelf life is One year in original unopened conditions.

Protect the material against moisture and direct sunlight.

Storage temperature: 20 to 30°C Products should remain in their original, unopened containers.



### Cleaning of Tools & Equipments

Tools and equipment should be cleaned with suitable solvent immediately after use.

### Ecology, Health and Safety

Health & Safety instructions, all chemicals should not come in contact with skin and eyes or be swallowed. Protective gloves and goggles should be worn.

If contact with skin occurs, wash well with soap and water.

Eye contamination should be washed thoroughly with clean water and medical advice sought. If swallowed seek medical attention immediately. Do not induce vomiting.

### Disclaimer

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions.

The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.



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