

Nikhoxy[®] EP

Solvent free epoxy coating for potable water & retaining structures

Description

Nikhoxy EP is a two pack, solvent free, epoxy resin material. The material cures to provide a smooth, hygienic and tough finish which is suitable for contact with potable water and foodstuffs.

Features / Advantages

- Due to non-toxic property it is suitable for potable water and food stuff storage
- Excellent corrosion protection and chemical resistance
- Excellent adhesion on concrete and steel substrate.
- Solvent free and non-toxic
- It form smooth glossy finish after curing.
- Easy to clean the surface after curing
- Stain free

Typical Application

- Potable water retaining structures and surfaces.
- Suitable for application to reservoirs, water storage tank, indoor swimming pools, silos, breweries, meat/food processing plants, Chemical factories & Pipe lines.

Chemical resistance

Nikhoxy EP has excellent resistance to many industrial chemicals.

Technical Information

Sr. No.	Properties	Specification
1	Nature	Two components
2	Colour	Available in Various colour
3	Consistency after mixing	Free flowing smooth paste
4	Solid Content	100 %
5	Application time (Pot life) at 30° C	1 to 1 ½ hrs
6	Surface dry 30° C	4 - 20 hours
7	Hard dry	7 days
8	Curing time at 30° C	24 hrs
9	Inter-coat period at 30° C	4 to 18 hrs

Methods of Application

Preparation of Concrete surfaces

All surfaces must be smooth, sound and free from debris, loose or flaking material and areas of standing water. Surfaces must be free from contamination such as oil, grease, dust, loose particles and organic growth. Concrete surfaces must be fully cured, laitance free and free from any traces of shuttering, release oils and curing compounds.

Preparation of Steel surfaces

Iron and steel surfaces must be free from rust, scale, dust, grease and other impurities which can prevent adhesion.

Application on Concrete Surfaces

Primer: After proper surface preparation, apply two coats of Mahafloor Prime 743 as primer. Nikhoxy EP should be thoroughly stirred before adding component B (hardener). Pour component B into component A and mix it for 2 minutes with slow speed stirrer with suitable mixing paddle to get a homogeneous & consistent material. Apply two coats of Nikhoxy EP at the interval of 4 to 18 hrs. Temperature for application is 10°C to 35°C.

Application on steel surface

Primer: After proper surface preparation, like sand blasting, the surface is protected using Mahaguard ZRP

Top coating: Next day, two coats of Nikhoxy EP is applied one after the other coat as per recommended time gap.

Nikhoxy[®] EP Solvent free epoxy coating for potable water & retaining structures

Limitations

- Application should not be undertaken if the temperature is below 10°C.
- Nikhoxy EP may be applied to SSD surfac, there must be no standing or running water.
- Nikhoxy EP is not colour stable when exposed to direct sunlight nor when in contact with some.



Packing

7kg & 18kg



Storage and Shelf life

Nikhoxy EP should be kept in a dry store in the original, unopened packs between 5°C and 30°C. If stored at high temperatures the shelf life may be reduced.



Consumption

4 to 5m²/Kg/coat. Coverage may vary based on nature of substrate



Cleaning of Tools & Equipments

Nikhoxy EP should be removed from tools and equipment 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.



Nikhil Adhesives Limited

902, 9th Floor, A Wing, Kaledonia HDIL Building,
Sahar Road, Opp. D-Mart,
Andheri (East), Mumbai – 400069



8655691400



support.mahafix@nikhiladhesives.com



www.nikhiladhesives.com

