

VARAPOXY WB

WATER DILUTABLE EPOXY UNDERCOAT / INTERIOR WATER PROOFING SYSTEM

DESCRIPTION

VARAPOXY WB is a damp proof coating for internal walls, ceiling and RCC Water tanks

VARAPOXY WB is two component resin based water thinnable coating that has been specially formulated for internal applications and for the waterproofing treatment of water tanks. It provides excellent water resistance, adhesion, hardness properties similar to solvent based epoxy compositions.

ADVANTAGES

- ◆ Water dilutable with high covering capacity & hence economical
- ◆ Being water based it can be applied over damp concrete/plaster surface
- ◆ Reduces water permeability.
- ◆ Provides excellent adhesion to all cementitious substrates & after curing it gives a hard tough film.
- ◆ Excellent resistance to water, mild acids, alkalis & soap water.
- ◆ Can be used as a primer for water based/solvent based paints.
- ◆ Possesses anti-fungal property and is resistant to microorganisms.

USES:

- ◆ Water proofing treatment for RCC water tank
- ◆ Internal damp walls treatment & also for ceiling.
- ◆ Primer for painting internal /external surfaces.

- ◆ Toilet, Kitchen walls & Lift pits.
- ◆ As a putty with OPC- white cement to fill the fine cracks of internal walls.
- ◆ In sterile areas of pharma/food industries, hatcheries.

INSTRUCTIONS FOR USE

- ◆ Clean the surface thoroughly to be free from oil, grease, dust, debris, fungus and moss.
- ◆ Thorough wire brushing and followed by sanding with emery paper is recommended.

MIXING:

- ◆ First stir the Base and Hardener thoroughly in their individual packs to achieve the uniform consistency.
- ◆ Pour the Base part in a suitable can followed by the Hardener Part and mix them thoroughly together to a homogeneous smooth paste.
- ◆ Dilute the mixed compound with water (In ratio 1 part Base: 1 part Hardener: 1 Water) by slow addition and mix it thoroughly until a brushable consistency is obtained.

APPLICATION

Waterproofing of rcc water tanks

- ◆ Prepare a grooves in the crack 1 mm to 5 mm, Clean the dust by washing it with water.

- ◆ Fill the cracks/grooves with **VARAPOXY WB** modified OPC putty & allow it to dry for at least 24 hours.
- ◆ Apply the first brush coat of mixed quality of **VARAPOXY WB**. Allow to dry for 6 to 8 hrs.
- ◆ In case of several leakage problems due to more cracks on the walls, apply **VARAPOXY WB** OPC/white cement putty on the entire surface area. Allow it to dry for at least 24 hrs.
- ◆ Apply Second brush coat of mixed **VARAPOXY WB**. Allow it to cure completely for 24 hrs before applying a cement sand plaster on wall or a screed on floors.
- ◆ The treatment of **VARAPOXY WB** can also be left open, as the product possesses the non- toxic property. In such situations allow it to cure for minimum 3-4 days prior to storage of water. The treatment of **VARAPOXY WB** then must be cleaned with the help of damp cloth/sponge and plenty of water prior to storage of the water.

VARAPOXYWB – OPC / White Cement Putty

- ◆ Mix **VARAPOXY WB** (1 part Base & 1 part Hardener) thoroughly Add 2 parts of Ordinary Portland Cement or white cement and add required amount of water to get a plaster like consistency.

Damp Proofing of vertical Internal Walls:

- ◆ Clean the existing substrate as mentioned earlier in the surface preparation section.
- ◆ Apply two brush coats of mixed **VARAPOXY WB** at an interval of 6 hrs.
- ◆ Allow it to dry for minimum 24 hours before applying cement Sand plaster on walls before painting. **VARAPOXY WB** modified putty can also be used In case of cracks observed on internal damp walls.

TECHNICAL INFORMATION:

Nature: Two Components

Mixing Ratio: 1:1:1(B: H: W)

Mixing Ratio: 1:1:2 by vol. (B: H: 2 OPC)

Consistency after mixing: Free flowing smooth paste.

Pot life at 30 deg. Centigrade: 5-6 Hrs

Drying time at 30 deg. C 5-6 Hrs Inter coat **period at 30 Deg.C:** 6-8 hrs.

Coverage: **VARAPOXY WB** finish coat: 75 -85 sq.ft per Kg per coat.

VARAPOXY WB + OPC Cement Putty – 6-8 sq.ft. Per kg per coat

PRECAUTIONS & LIMITATIONS:

1. Not meant for rising dampness
2. All previous coatings to be completely removed before application of **VARAPOXY WB**
3. Do not dilute the product over prescribed limit.
4. **VARAPOXY WB** when applied on exterior surfaces must be over coated by weather durable coatings.
5. Avoid application below 10 deg. Centigrade.
6. Use nylon brush for easy brush ability.
7. Should not be applied on painted surfaces.
8. Not resistant to acids and alkalis of higher concentrations and for longer period.
9. Drying time depends on the condition of damp surface and temperature.
10. Wash hands & tools with soap & warm water.
11. Before mixing stir the individual packs to achieve uniform consistency.