

Winone BarrierSeal *Water Based Food Grade Epoxy Coating*

Product Description:

Winone BarrierSeal is two component water based food grade epoxy system for protection, waterproofing & wall coating with excellent bonding properties to the wet substrate with long lasting performance.

Advantages:

- Excellent adhesion to damp or dry substrates, including freshly poured concrete.
- Hydrostatic Pressure resistant waterproofing coating against rising dampness.
- Dense surface resistant to bacteria, moisture built up.
- Solvent free and smell free green building norms matching product.
- Most environment and user's friendly product.
- Matches food grade coating norms.
- Non toxic water borne product.
- Can be over-coated with conventional paints.
- Nonflammable.
- Clean up with water.
- By adding compatible pigments desired color coating can be developed.

Application:

1. Primer on to wet the concrete, direct application on metal surface.
2. Waterproofing interior and exterior-of concrete, concrete blocks, brick, fiber cement sheeting, walls and floors.
3. Water storage tanks and other water bodies protective and waterproofing.
4. Protective coating on Floors and walls in Hospital, Food plant Pharmaceutical Industries.
5. Clean Room area coating for maintaining Hygiene and cleanliness.

Processing Methods:

Applied by roller or conventional spray equipment or by brush,

Mixing Ratio of Component A to Component B

Component A- Resin	Component B - Hardner	Add : Water	Maxing Ratio
1 Part	1 Part	0.5 Part	By Volume
1.5 Part	1 Part	0.5 Part	By Wight

Application Procedures:

Coating	1 st Coat	2 nd Coat	3 rd Coat
Maxing Ratio (By Volume Only)			
Components A	1 part	1 part	1 part
Component B	1 part	1 Part	1 part
Tap Water	1 part	0.5 part	0.5 part

The resin and hardener should be thoroughly mixed together in equal portion by volume. Water is than added to reduce the mix to the desired consistency to a maximum of 1 part water to 1 part of resin/hardener mix.

Pot / Usable Life

Pot / Usable life : 45-60 minutes@25^oC

Coverage :

Coverage on Smooth Surface

1 coat	4 – 6 m ² per liter per coat
2 nd and 3 rd Coat	5 – 7 sq.mt per liter per coat

This coverage depends on surface porosity and water addition. Decrease in coverage by up to 50% on rough surface can be expected.

Cure Time :

Cure Time @ 25^oC

Initial Cure	12 – 24 Hours
Full Cure	& Days

Re-coat Time :

Second coat may be applied after 2- 4 hours but no longer than 24 hours.

Coloring :

Barrier Seal is white in color. But it may be pigmented to pastel shade with standard tinters of emulsion paints. Epoxy systems tend to yellow on exposure to ultra-violet light, for external decorative application, it is recommend that Barrier Seal be over coated with a conventional paint system. Allow at least 24 hours cure before applying conventional house paints wall paper, floor coverings etc.

Precautions :

- Use of correct mixing ratio is very essential and that the resin and hardener are thoroughly mixed together before use.
- Inaccuracies will result in a lowering of the physical properties of the cured system and if the error is too big the system may not cure properly.
- For optimum results it is always advisable that sufficient air circulation is provided for Ensuring complete drying and curing of coating.
- Barrier Seal should not be used if substrate temperature is less than 15^oC.
- Pre-wet the saturated substrate before commencing application.

Handling Precaution :

The uncured material must not, for instance, be allowed to come into contact with foodstuffs or food utensils, and measured should also be taken to prevent the uncured materials from coming into contact with skin, since people with particularly sensitive skin may be affected. The wearing or impervious rubber or plastic gloves will normally be necessary; likewise the use of eye protection. The skin should be thoroughly cleansed at the end of each working period by washing with soap and warm water. The use of solvents is to be avoided. Adequate ventilation of the working area is recommended.

First Aid:

If swallowed, DOES NOT induce vomiting. Drink copious amounts of water and contact a doctor or the Poison Inflation Center.

- If the material enters eyes, flood with water for at least 15 minutes, than consult doctor.
- If skin rashes or allergic responses (such as wheezing, swelling) occur, consult a doctor.
- Read the Material Safety Data Sheet for more information.

DISCLAIMER

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