

Product Description

La BerryCote PWC is a two pack, solvent free, epoxy resin material. It is supplied in pre-measured quantities ready for site mixing and use. The material cures to provide a smooth, hygienic and tough finish which is suitable for contact with potable water and edible food. It is available in blue & white colours.

Uses

La BerryCote PWC is used for lining and waterproofing potable water retaining structures and surfaces subject to contact with food stuffs. The cured film is resistant to corrosion, chemical attack and abrasion & is suitable for application to reservoirs, tanks, silos, water treatment works, breweries, dairies, meat and food processing plants. The cured film is non-toxic and meets the requirements of IS : 9833 - 1981.

Advantages

- **Food grade & Hygienic** – Suitable to potable water and food stuff storage.
- **Compatible with all substrates** – Can be applied directly on to mild steel and concrete
- **Aesthetic** – Forms a smooth, glossy and to easy clean surface on curing
- **Abrasion resistant** – Exceptional resistance to abrasion and to a wide range of chemicals
- **Corrosion resistant** – Does not contain any metallic particles
- **Chemical resistant** – Proven against a wide range of industrial chemicals
- **Solvent free & Non – toxic** - No odour during application and can be used in confined areas

Standard Compliance & Design Criteria

USFDA-175.300, BS-6920, DIN-1048 Tested at CFTRI, Mysore. La BerryCote PWC is designed to be applied in two coats to achieve a minimum total dry film thickness of 200 microns.

To achieve the correct protective properties, La BerryCote PWC must be applied on to the substrate at the coverage rates recommended.

Technical Properties

Volume of solids	100%	
Specific gravity/Mixed density	1.4±0.1 g/cc	
Viscosity	Pourable, Spreadable Liquid	
Pot life	@ 20°C 60-80 min.	@ 30°C 45 min.
Adhesive bond strength with concrete	Excellent	
Global migration test (USFDA-175.300)	<0.05mg / in ²	

Specification Clauses

Potable water / Waterproofing lining

The tank/reservoir lining shall be La BerryCote PWC, a two pack epoxy coating specifically designed for contact with potable water. The cured film shall comply with the requirements of IS:9833 - 1981.

Application Instructions

Surface Preparation

Concrete surfaces

All surfaces must be smooth, sound and free from debris, loose or flaky 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.

All surfaces should then be grit blasted to remove all foreign matter and open up blow-holes, and provide a suitable key for La BerryCote PWC.

All blow holes and imperfections should be filled with polymer modified/epoxy putty.

Steel surfaces

All surfaces should be grit blasted to obtain bright metal surface. The lining work should be programmed so that newly cleaned steel is coated as soon as possible before the formation of rust or scale.

Mixing

The contents of the base can should be stirred thoroughly to disperse any settlement. The entire contents of the hardener can should be poured into the base container and mixed thoroughly until a uniform consistency is obtained, taking particular care to scrape the sides and bottom of the container.

It is recommended that mechanical mixing be employed, using a mixer or a heavy duty, slow speed electric drill fitted with a paddle.

Application

Number of coats	2	
Theoretical wet film thickness/coat	200 microns	
Dry film thickness/coat	200 microns	
Overcoating time (hours)	@ 20°C	@30°C
	24	18
Fully cured	7 days @ 30°C	
Minimum application Temperature	10°C	

Any surfaces should be treated with two coats of La BerryCote PWC. If the surface is rough any epoxy primer if applied can help the ease of application of top coats. La BerryCote PWC, a water based epoxy primer can be used for this application.

The thoroughly mixed material should be applied with a suitable stiff nylon type brush.

The first coat must be firmly applied and be well scrubbed into the surface, ensuring a uniform coating with a wet film thickness not less than 100 microns. The first coat should be allowed to become tack free before applying the second coat. The second coat should be applied exactly as above, again achieving a wet film thickness not less than 100 microns.

For ease of overcoating, it is recommended that the first coat be white and the second coat be blue, or vice - versa.

For cold weather working, it is recommended that La BerryCote PWC be stored in a heated building and removed immediately before use, as workability deteriorates and curing times increase at lower temperatures.

Cleaning

La BerryCote PWC should be removed from tools and equipment with solvent immediately after use. Cured material can only be removed mechanically.

Limitations

La BerryCote PWC is formulated for application to clean sound concrete and steel. La BerryCote PWC should not be applied over existing coatings.

Application should not be undertaken if the temperature is 10°C and falling, nor when the prevailing relative humidity exceeds 90%. Although La BerryCote PWC may be applied to damp concrete, there must be no standing or running water.

La BerryCote PWC, the final colour can vary with curing conditions, and in adverse conditions such as low temperature and/or high humidity, a white bloom may appear on the surface. However, this does not affect the performance of the coating.

Package

La BerryCote PWC : 6 kg Pack
(Part A : Base - 4kg)
(Part B : Hardener - 2kg)

Coverage

La BerryCote PWC Covers 9-10m²/6kg pack at 400 microns thickness in 2 coats.

The coverage figure is theoretical - due to wastage factors and the variety and nature of substrates, practical coverage figures may be substantially reduced.

Shelf Life

12 months if kept in dry store between 5°C & 30°C in the original, unopened containers.

Storing in dry conditions at temperatures between 5°C & 30°C in the original unopened containers is recommended. If stored at high temperatures the shelf life may be reduced.

Health & Safety

La BerryCote PWC should not come into contact with skin and eyes or be swallowed. Some people are sensitive to resins, hardeners and solvents. Hence suitable protective clothing, gloves and eye protection shall be worn.

The use of barrier cream provides additional skin protection. In case of contact with the skin, it shall be rinsed with plenty of clean water, then cleansed with soap and water. Solvent should not be used. In case of contact with eyes, it shall be rinsed immediately with plenty of water and medical advice shall be sought immediately. If swallowed medical attention shall be sought immediately - Vomiting should not be induced.

Fire

La BerryCote PWC is non-flammable.

Important: La Greens India Pvt. Ltd., products are guaranteed against defective materials and are sold subject to its standard terms and conditions of sale. It is the Customer's responsibility to satisfy themselves by checking with the Company whether the information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current Technical Literatures. However, La Greens India does not warranty or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendation relating to application and end use are given in good faith.



Smart Solutions for Sustainable Construction

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