

ConCote WB 103

Epoxy Wall & Floor Coating System

DESCRIPTION

ConCote WB 103 is a pigmented, two-component, high solids water-based epoxy coating with very low odor and almost 0% VOC's (volatile organic compounds). It offers excellent early water resistance, fast curing and excellent adhesion to concrete. It is widely used in car parking areas, garages, light traffic warehouse floors & walls. Moreover, very low odor during application makes it ideal for use in schools, healthcare facilities, food service areas, office buildings, hotels or in any area where odors and VOCs could be an issue. This coating is impervious to moisture and easily cleaned and sanitized.

USES

ConCote WB 103 is water dispersed epoxy developed specifically for sealing and coating a variety of areas as, walls & floors in:

- Garages and Car Parking areas.
- Light traffic industrial and food processing areas.
- Garments & Hosiery Industrial Halls.
- Hospitals, Laboratories, Pharmaceuticals and Medicine Storage Areas.
- Kitchens and other areas of pedestrian and light vehicular traffic.
- Schools and Colleges

ADVANTAGES

- Water based - safe in use, low odor.
- Seamless
- Easy application
- Cost-effective, minimizes cleaning costs
- Excellent adhesion
- Robust - good resistance to abrasion.
- Attractive - available in a range of colors.

TECHNICAL DATA:

Resin Type	: Water Soluble Epoxy
Solids Contents	: 65%
Density at 20° C	: 1.25 g/cm ³
WFT Per Coat	: 100 Microns
DFT Per Coat	: 60~65 Microns
Pot Life	: 60-80 minutes
Drying Time @25° C	: 4~6 hrs. touch dry 72 hrs. Full cure
Adhesion Pull Strength	: >3.5 N/mm ²
Abrasion Resistance	: 97mg/1000 cycles
Solvent Resistant	: Most of the solvents, Fuel & Lubricants.

STANDARD COMPLIANCE:

ConCote WB 103 complies with
BS476, Part7:1997-Class

APPLICATIONS & SURFACE PREPARATIONS:

It is essential that **ConCote WB 103** is applied to sound, clean substrates in order to achieve maximum adhesion to the substrate. The substrate must be smooth, as any surface irregularities may show through the coating.

New Concrete Floors

The floor should be typically at least 28 days old and give a moisture test reading not exceeding 4-5%.

Dry removal of laitance by light grinding is preferable. Dust and other debris should then be removed by vacuum brush.

Old Concrete Floors

A sound, clean substrate is essential to achieve maximum adhesion. Oil and grease penetration should be removed by hot compressed air treatment and primed with a single coat.

APPLICATION:

The individual components of **ConCote WB 103** should be thoroughly stirred before the

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two are mixed together. The entire contents of the base container should be poured into the hardener container and the two materials mixed thoroughly for at least 3 minutes. The use of a heavy duty low speed (300 rpm) electric drill fitted with a paint mixer or a wing type paddle shall facilitate the mixing.

ConCote WB 103 should be applied to the prepared surface using a brush or lamb's wool roller. First coat is primer coat and should be diluted with 10-20% clean drinkable quality water.

Scratch Coat by adding fine powder can be applied, depending on the surface conditions. Final coat may be applied as soon as the scratch coat has initially dried (typically 12-18 hours). The time will be dependent on the type of surface and the ambient conditions.

Good drying conditions are required to allow complete evaporation of the water as the resin cures. Adequate ventilation and air movement is necessary.

CAUTION:

After final coat the surface should be protected from foot traffic for at least 24 hours. Full traffic load should be delayed until at least 48-72 hours after the final coat.

ROUTINE MAINTENANCE

The service life of any floor is highly dependent on good housekeeping practices. Regular cleaning of **ConCote WB 103** will extend the life of floor considerably. Regular cleaning of **CONCOTE WB 103** may be carried out using a rotary scrubbing machine/ moping with a water miscible cleaning agent.

PACKAGING:

ConCote WB 103 is available in 5 Kgs.

COVERAGE:

Coverage 6-7 M² /- Kg. Per Coat depending on surface.

STORAGE:

ConCote WB 103 must be stored in the original unopened containers at 10⁰ C-35⁰ C.

TECHNICAL SERVICES:

A trained RADIANT representative is available to assist in the preparation of specifications, and the resolution of concrete problems in the field.

HANDLING & STORAGE:

ConCote WB 103 has a shelf life of 12 months if kept in a dry cool place in the original packing.

HEALTH & SAFETY PRECAUTIONS:

Where temperatures is less than 5⁰ C or greater than 35⁰ C are encountered, contact our Technical Staff. **ConCote WB 103** is non-toxic, but it is alkaline in nature. Any contact with eyes or skin should be washed off with soap and clean water. Protective gloves, goggles and clothing should be worn. Repeated contact with epoxy resins and hardeners can cause sensitization in some people handling this type of product. Where this occurs, seek medical advice before continuing use.

IMPORTANT NOTE:

RADIANT Construction Technologies manufactures wide range of construction chemicals, including admixtures, concrete repairing mortars, curing compounds, adhesives, concrete protection coatings, waterproof coatings, grouts & Tile Bond.

Separate Technical Data Sheets are available for these products.

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