

SOLIDKOTE WB EPOXY

DURABLE WATER BASED EPOXY FLOOR COATING

DESCRIPTION

SOLIDKOTE WB is an easy to use, twin pack, water based, epoxy floor coating system. The finished system provides an easily cleaned and attractive semi-gloss or satin finish. The water base makes it environmentally friendly and easy to apply without low VOC's which could affect processes nearby. Totally dry surfaces for coating are not imperative as it is not sensitive to dampness and may be applied to green concrete.

APPLICATIONS

- Food process areas
- Breweries
- Dairies
- Kitchens
- Workshops
- Storerooms
- Garages
- Light industrial areas
- Anywhere cleanliness is important

ADVANTAGES

- Hygienic and scrub resistant
- Non toxic
- Vapour permeable – breathable
- Damp and green concrete tolerant
- Cost effective
- Easy to apply by roller or spray methods
- Attractive durable finish
- Solvent free
- Cement compatible for scraper coats
- Flexible and long lasting
- For floors and walls

TECHNICAL DETAILS

Appearance	Various colours
Finish	Semi-gloss/ Satin
Solids content	62%
Coverage	5-8m ² /L
Pot life	30 minutes
Mix ratio	4:1
DFT	120um, 2 coats
Cure times	Over-coating 6 hours
Light Traffic	24 hours
Full cure	7 days
Thermal Resistance	70°C and below
Vapour Permeability	20g/m ² /mm/ 24hours
Bond strength	> 1.5MPa
Chemical Resistance	Mild acids and alkalis, splash resistant to solvents

SHELF LIFE

6 months in unopened containers kept cool & dry and protected from freezing.

PACKAGING

5 and 25L twin pack kits

DIRECTIONS

PREPARATION

Concrete or screed substrate should be a minimum of 25MPa, free from laitance, dust and contamination. Old or worn coatings should be lightly ground off to profile and texture the surface for sufficient bonding. Repair defects in the floor with **Techfin GP Epoxy** (6 hour overcoat) or **Techfin GP Grout** (12 hour overcoat) and sand the repairs smooth before coating, see the relevant technical datasheets for further information. Dirty floors to be coated should be cleaned thoroughly, and etched to open up the porosity for better substrate penetration. Ensure all dust has been vacuumed from the substrate surface.

MIXING

Mix the Part A and Part B together thoroughly with a mechanical mixing tool for a period of 3 minutes and then use the product immediately. As a general rule when coating floors with epoxies it is advisable to pour the mixed product out onto the floor, spread with a trowel and back roll to obtain a uniform finish. This extends the working time considerably.

Porous floors, i.e. floors that absorb water rapidly, should be given a first coat and allowed at least 12 hours to partially cure. Rough concrete surfaces may require a scraper coat that will require a portion of cement powder to be added to the mixture to produce a viscous levelling scraper coat. Dense floors, such as those that have been power floated to a smooth finish, should be acid etched with **Concrete Etchant**, rinsed thoroughly and then neutralized with **Liquid Action**. This ensures better

penetration into the floor and subsequent improved adhesion.

APPLICATION

Apply Solidkote WB Epoxy with a PVA/ Mohair paint roller or brush. Solidkote WB Epoxy may also be applied by spray methods. When the first coat is thoroughly touch dry, apply the next coat at right angles to the first coat. Do not leave more than 12 hours between coats. To ensure inter-coat adhesion is adequate, a light sanding of the coating is recommended in cases where subsequent coats are applied later than 12 hours.

MAINTENANCE

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent such as Liquid Action (see datasheet).