



Barrier Coat

Barrier Coat is a durable solvent free epoxcoating system specially formulated for use as a water resistant membrane in both new build and refurbishment projects. Barrier Coat can be applied directly onto wet surfaces free from standing water and when used as a primer and allowed to cure will accept most adhesives, coatings and screeds.

Barrier Coat has been tested and certified to meet BS 476 surface spread of flame, Class 0 and has been assessed by the Building Research Establishment for water vapour permeability.

Benefits

- No harmful solvents
- Penetrates into wet substrates
- Fire retardant
- Very high water vapour resistance
- Excellent adhesion to wet concrete
- Will tolerate lightly contaminated substrates

Methods

Preparation

- All surfaces must be sound, free from oil, grease and loose material.
- Mechanically prepare the area to give a suitable key for the Barrier Coat.
- Remove all debris by sweeping or vacuum.

Mixing

- All products are supplied in pre-weighed units this ensures the correct ratio of base to activator is achieved.
- Only mix as much material as can be applied during the stated working life.
- Empty the activator component into the base component bucket and thoroughly mix for 2 minutes using a slow speed mixer.

Application

- Pour the mixed material into a roller tray or scuttle.
- Apply the mixed Barrier Coat by brush or short pile roller.
- Do not over work the mixed Barrier Coat.

Pouring the mixed barrier coat onto the substrate will result in lower coverage rates.

Technical details

Mixing ratio	3:2 by weight
Application rate	1st coat 4 m ² per kilo 2nd coat 6 m ² per kilo
Porosity of the substrate can affect coverage.	
Working life	40 minutes @ 20° C
Dry film thickness	1st coat 225 microns 2nd coat 150 microns Total 375 microns

Application conditions

Minimum temperature	8° C
Maximum air RH	100%
Maximum slab RH	99%

Cure time

Touch dry	12 hours @ 20° C
Foot traffic	18 hours @ 20° C
Over coat	14 hours @ 20° C

Adhesion

Lap shear	16.0 Mpa
Wet concrete	10.0 Mpa

Hardness 84 Shore D

Flash point Over 100° C