



# EpiMax 340 WVB

## Water Based Epoxy Membrane

### Description

EpiMax 340 WVB Water Based Epoxy Membrane is a water based epoxy coating which provides a low water vapour transmission membrane for rigid cementitious surfaces in building and construction projects.

It can also be used as a barrier coating over new or damp concrete and a waterproofing membrane to prevent water seepage or dampness penetration.

Typically it is applied by roller or airless spray.



### Advantages

- Hazmat free/non flammable
- Negligible odour and toxicity
- Water based - odourless & food safe
- Fast installation - roller or spray
- Convenient mix ratio
- Excellent adhesion to prepared inorganic surfaces

### Typical applications

- In situ concrete
- Compressed sheet systems
- Brick, block and stone work
- Pre-cast and tilt up panels
- Retaining walls
- Moisture barrier on damp walls/floors

### Typical properties

- Shelf life: 12 months
- Mix ratio: 1 volume Activator : 1 volume Base
- Recoating window: 4 - 6 hours at 25°C (depends on air flow)
- Water vapour transmission: 11.3 g/m<sup>2</sup>/24hrs
- Volume solids: 40%
- Work time: 2 hours at 25°C
- Full cure: 7 days at 25°C
- VOC: <10.0 g/ltr

### Estimating data

20 ltr EpiMax 340 WVB Water Based Epoxy Membrane = 60m<sup>2</sup>

### General surface preparation

Concrete should be at least 28 days old. Ensure the substrate is clean, dry and free of additives, curing agents, oils, etc. Prepare the sub-floor by professional diamond grinding to expose firmly adhered aggregate. All surfaces must be structurally sound and existing coatings, adhesives, efflorescence should be removed. Fill gaps with EpiMax 575 Structural Adhesive System first.

### General application comments

Ensure relative humidity is <85%. The hardening mechanism is two stage - firstly the contained water evaporates and then the chemical hardening takes place. Consistent air flow will assist the water evaporation stage. Review the area in advance so that a fixed volume of mixed material can be applied over a fixed area to ensure correct application rate. Select a slow speed (400 rpm) mechanical mixer and ensure thorough mixing.

### Packaging

EpiMax 340 WVB is available in 20 litre packs (includes Activator and Base). It is pre-packed in correct proportions for use.

### Safety precautions

Read Material Safety Data Sheet before commencing any application. Keep away from children. Avoid contact with skin and avoid breathing/vapour. Always provide adequate personal protection (gloves & goggles etc) during use. Always provide adequate ventilation, especially in confined spaces. If poisoning occurs, call Doctor or Poisons Information Centre. Phone 13 11 26. If swallowed, DO NOT induce vomiting. Give plenty of water or milk. If skin contact occurs, quickly remove contaminated clothing and wash affected areas thoroughly with soap and water.

TDG Code: Hardener - Not Classified, Compound - Not Classified



## EpiMax

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