



# EpiMax 999WB

## Concrete Protective Sealer

### **Safety precautions**

Read the EpiMax 999WB Product Bulletin and the 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.



### **Surface preparation**

Remember that water based systems generally require a higher level of surface preparation than solventless or solvent based systems.

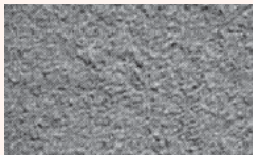
Concrete should be at least 28 days old. Ensure sub-floor is clean, dry and free of additives, curing agents, oils, etc.

Prepare sub-floor by professional diamond grinding or captive blast cleaning as applicable to expose firmly adhered aggregate. Allow to dry if wet. Always confirm preparation adequacy.

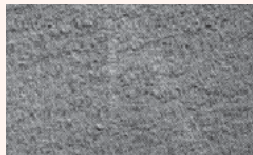
Surface profile should exceed CSP 2.

If surface needs reinstatement, restore with EpiMax 225. Allow to harden.

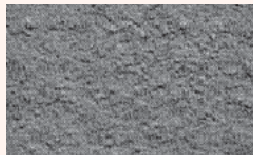
### **CSP Standards**



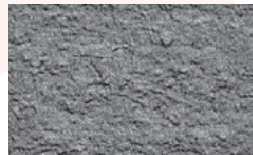
**CSP1**  
Acid Etched



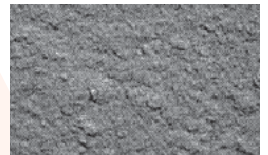
**CSP2**  
Grinding



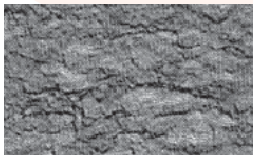
**CSP3**  
Light Shotblast



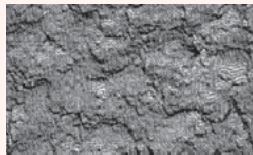
**CSP4**  
Light Scarification



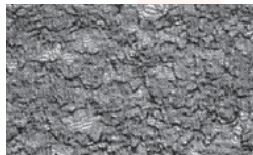
**CSP5**  
Medium Shotblast



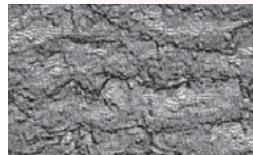
**CSP6**  
Medium Scarification



**CSP7**  
Heavy Abrasive Blast



**CSP8**  
Scabbled



**CSP9**  
Heavy Scarification

Images generated using video density imaging techniques are courtesy of David Lange, department of Civil engineering, University of Illinois at Urbana-Champaign.

**CAUTION!** The texture and appearance of the profile obtained will vary depending on strength, the size and type of aggregate, and finish of the concrete surface. On sound substrates, the range of variation can be sufficiently controlled to closely resemble the referenced CSP standard. As the depth of removal increases, the profile of the substrate will be increasingly dominated by coarse aggregate.

---

## **Equipment list**

Gloves, goggles & personal protection

Measuring containers

Mixing container

Power mixer

Applicator bar, squeegee, roller or suitable high volume, low pressure spray equipment.

## **Mixing**

Measure sufficient Activator and Base in the correct volumetric ratio (1 volume Activator to 2 volumes Base) that can be safely used within 3 - 4 hours at normal temperatures (20 - 25C). Mix thoroughly using a low speed (400 rpm) power mixer. Ensure that all the material on the sides and on the stirrer are incorporated. Take care to avoid air entrapment in the mix.

EpiMax 999WB can be diluted with up to 10% v/v potable water after mixing. Note that this will reduce the final film build.

## **Estimating data**

60 litre EpiMax 999WB Concrete Protective Sealer = 720 sq m at 45 micron dft per coat.

Coverage depends on porosity of surface.

EpiMax 999WB is available in a Standard and a Safety/Non Skid version (EpiMax 999WB-S).

## **General application comments**

Avoid application when relative humidity is >80% and temperature is <12°C

Ensure all surfaces are clean and prepared as required.

When mixed, EpiMax 999WB is white in colour. As the coating hardens, it will become perfectly clear.

Apply to the prepared surface at a rate of about 10 - 12 sq m/litre per coat by applicator bar, squeegee, roller or suitable high volume, low pressure spray equipment.

Do NOT apply too thickly per coat. This will trap water and delay hardening.

Apply a second coat within 12 - 24 hours.

The hardening mechanism is two stage: Firstly the water evaporates and then the chemical hardening takes place.

- Good air flow will always assist the water evaporation stage.
- Work time may be difficult to visually determine, so always keep track of actual time.

Always protect from rain for 24 hours after application.

Allow the coating to cure for 7 days prior to subjecting to full exposure.

EpiMax 999WB-S has been independently slip tested to AS 4586:2004 and shown to provide a BPN value of 48, Class W and thus provides a VERY LOW contribution of the floor surface to the risk of slipping when wet as interpreted by HB197:1999.

## **Disposal considerations**

Refer to the relevant State authority. Dispose of any unused product through a licensed waste contractor.

Normally suitable for disposal by approved waste disposal agent.



**EpiMax Systems Pty Limited**

Brisbane • Sydney • Melbourne • Hobart • Perth  
Australia ☎ 1300 721 522 info@epimax.com.au