



EpiMax 999WB

Concrete Protective Sealer

Description

EpiMax 999WB Concrete Protective Sealer is a haz-mat free, water based, two pack clear epoxy system formulated to provide ease of application, fast hardening and excellent adhesion to concrete.

Stained concrete surfaces are a hot design trend in restaurants, hotels and the retail environment. They are seen increasingly in residential settings. Treatments can impart the look and luster of granite, marble, or other scarce natural materials at a fraction of the cost. Unlike carpet or vinyl, high quality concrete is not subject to damage from tears, stains, wear, or flooding.

To maintain this attractive effect, durable, transparent sealers are applied to bring out and maintain the depth and luster of antiquing patinas or variegations from the chemical staining.

EpiMax 999WB is a very economical and hard wearing, anti-dusting sealer for a wide range of industrial and commercial applications.

General industrial and commercial applications include general chemical protection for concrete floor slabs, abrasion protection and dust sealing for commercial and residential car parks as well as plant room maintenance.

This system is also available in a high traction version, **EpiMax 999WB-S (Safety)**, which is specially formulated to provide a unique skid resistant surface to the equivalent of an R10 rating that is still easily cleaned.



Advantages

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|-------------------------|----------------------------------|
| Fast hardening | Simple mixing - easy application |
| Haz-mat free technology | Excellent adhesion to concrete |
| Long lasting durability | Colourless |

Typical applications for protecting stained concrete

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|----------------|-----------------------------|
| Restaurants | General retail environments |
| Shopping malls | Residential |

Typical applications for general protection & dust sealing

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|------------|-------------|
| Warehouses | Car parks |
| Factories | Plant rooms |

Typical properties

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| Shelf life: 12 months | VOC rating: Meets Green Building Council of Australia IEQ-13 |
| Mix ratio: 1 volume Activator: 2 volumes Base | Work time: 4 hours at 25°C |
| Recoating window: 6 - 12 hours at 25°C | Set to touch: 45 - 60 minutes at 25°C (depends on air flow) |
| Full cure time: 5 days at 25°C | Coverage/60 litre pack: theoretical 600 m ² /coat |

Estimating data

60 ltr EpiMax 999WB Concrete Protective Sealer = 300 m² (typical 2 coats)

Sub-floor preparation

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 acid etching/neutralizing/washing, professional grinding or captive blast cleaning as applicable to expose firmly adhered aggregate. Allow to dry if wet. Always confirm preparation adequacy. Surface profile should meet CSP 2.

Priming

Prime concrete sub-floor using mixed EpiMax 999WB at a rate of 12 sq m/litre. Protect all newly primed surfaces and allow to harden fully, but the next stage should be applied within 24 hours of priming. If this time is exceeded the sub-floor must be re-primed.

Application

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. Add EpiMax 999WB Activator to EpiMax 999WB Base. Mix until uniform. EpiMax 999WB can be applied by roller or airless spray.

External projects should be top coated with EpiMax 777 High Performance Seal Coat System for maximum ultra violet durability.

For dust sealing industrial projects, a non-slip finish can be achieved by broadcasting fine clean dry aggregate before hardening commences.

EpiMax 999WB can be applied as a single application sealing coat to reduce concrete dusting and resist oil spills.

However, as with any single coat system the floor finish can vary considerably due to surface finish and porosity of the concrete floor. Multiple coats will provide greater durability. If coating performance requirements are more chemically and mechanically demanding, specify EpiMax 333 High Solids Epoxy Coating.

EpiMax 999WB-S is applied in a similar fashion. A unique feature of this version is that it is a true two component system without the need for the addition or scattering of siliceous aggregates. It can be easily spray applied. The photograph at right shows a close-up of spray applied EpiMax 999WB-S.



General cleaning

Housekeeping is critical in keeping floor surfaces safe. Vacuum, wash, scrub or sweep daily in accordance with recommendations. Mechanical sweepers and scrubbers can provide excellent results. Verify that the frequency and effectiveness of the cleaning process is appropriate for site conditions. Remove spills immediately, scrub and allow the floor to dry completely.

Packaging

EpiMax 999WB is available in 60 litre packs (includes Activator, Base). It is pre-packed in correct proportions for use. Ordering Information: EpiMax 999WB 60 litre #9099960

EpiMax 999WB is also available in 12 litre packs (includes Activator, Base). It is pre-packed in correct proportions for use. Ordering Information: EpiMax 999WB 12 litre #9099912

EpiMax 999WB-S is available in 60 litre packs (includes Activator, Base). It is pre-packed in correct proportions for use. Ordering Information: EpiMax 999WB-S 60 litre #9099860

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.