



EpiMax 333WB

Performance Water Based Epoxy Coating

Safety precautions

Read the EpiMax 333WB 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.

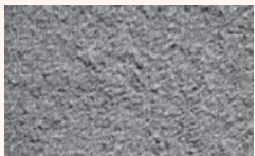
Prepare the sub-floor by professional diamond grinding to expose firmly adhered aggregate.

Surface profile should exceed CSP 3. Scrub with clean water and then vacuum. Allow surfaces to dry.

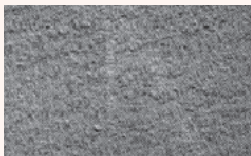
Always confirm preparation adequacy.

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

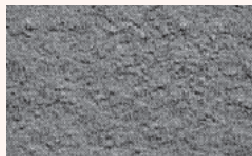
CSP Standards



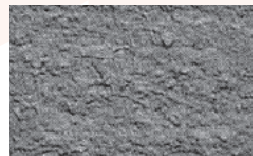
CSP1
Acid Etched



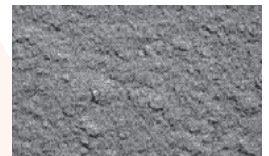
CSP2
Grinding



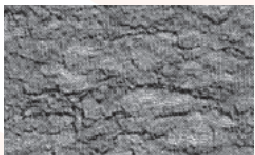
CSP3
Light Shotblast



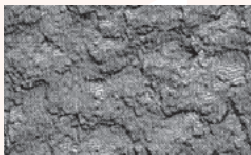
CSP4
Light Scarification



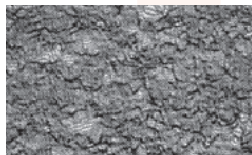
CSP5
Medium Shotblast



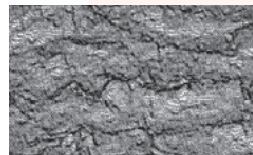
CSP6
Medium Scarification



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 container

Mixing containers

Power mixer

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

Mixing

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. Then add EpiMax 333WB Activator to EpiMax 333WB Base. Mix until uniform for 5 minutes. Allow to stand for 2 minutes and then mix again.

Ensure that all the material on the sides and on the stirrer are incorporated. Take care to avoid air entrapment in the mix.

EpiMax 333WB can be diluted with up to 10% v/v potable water after mixing. Note that this will reduce the final film build.

Estimating data

8 ltr EpiMax 333WB Performance Water Based Epoxy Coating = 40 sq m (assumes 2 coats).

Coverage depends on porosity of surface. Typical DFT range for good performance is 75 - 125 microns to well prepared surfaces.

EpiMax 333WB is available in standard AS2700 greys and other colours to order.

General application comments

Ensure application temperature is more than 3°C above dewpoint. Do not apply to surfaces wet with condensation.

Do not apply when temperature is <12°C.

Ensure all surfaces are clean and prepared as required.

Apply to the prepared surface at a rate of about 8 - 10 m²/litre per coat by applicator bar, squeegee, roller or suitable high volume, low pressure spray equipment. Apply in a minimum of two coats.

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

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

Note: Good air flow will always assist the water evaporation stage.

Always protect from rain for 24 hours after application.

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

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.