## Studio and Showroom Floor Enhancement Systems

Maximising presentation from the ground up

EpiMax 220 EpiMax 330 EpiMax 330 Express EpiMax 333WB EpiMax 333WB Express EpiMax 444 EpiMax 777UHD





## What needs to be considered in the selection of a Studio and Showroom Flooring System?

### Sustainability - whole of life

Sustainability is related to the quality of life in a community - whether the economic, social and environmental systems that make up the community are providing a healthy, productive, meaningful life for all community residents, present and future.

With regard to flooring systems, sustainability should consider the "whole product life cycle". This includes production, application, service life and disposal.

Volatile Organic Content (VOC) is an important measure of a flooring system's environmental impact. Our products meet or exceed the requirements of IEQ.13.1, Green Star Office Interiors, Indoor Environment Quality. We are a member of the Green Building Council of Australia.

Yet a low VOC level is not all that is required to make a coating sustainable. The arithmetic of the application and the durability is very important. If the system lasts longer, it's even better.

Underperforming systems will always have greater environmental impact due to re-installation costs (surface preparation grinding energy, disposal and then the impact of the re-application itself).

### Design life - budget compliance

The first important question to ask when selecting a new flooring system is - What is the required design life - 2, 5, 10 or 20 years? And, is frequent or regular maintenance feasible?

It is virtually impossible to keep any concrete structure from cracking. Without proper protection, these cracks become the routes through which moisture, salt, acid rain and other chemicals can begin the degradation process on concrete remarkably quickly.

The specification must meet the agreed design life and the intended maintenance-free period.

### • Super flat finish

Studio applications must be constructed to far tighter tolerances than conventional floors. Typically FF Floor Flatness and FL Floor Levelness numbers for these applications are above 50. This is because television and movie studios demand that the camera dollies always operate smoothly. But these floors must also be functionally attractive to succeed. Showroom floors also have an increasing requirement for flatness and levelness and, as always, aesthetic appeal.

### Mechanical and chemical durability

Concrete is a widely used engineering material. However whilst strong in certain mechanical aspects, unprotected concrete is extremely susceptible to a wide variety of damage. The specification for any flooring system must address the mechanical loading, impact, abrasion and chemical resistance requirements.

### Practical application characteristics

The particular needs of the structure including the practical aspects of access and application are important considerations in any project.

EpiMax supplies protection systems that can be applied by spray or roller in thicknesses of 150 - 3000 microns per pass. Trowel applied systems can achieve 75 mm thickness. Our systems are self priming.

## 💓 EpiMax





### Competition in every marketing sector is fierce. Consumers now have more

entertainment and shopping options than ever before. Cable and internet delivered entertainment is growing fast. Consumers, especially consumers in younger demographics, now demand more and more control over what they watch, read and listen to

On-line shopping, now widely trusted and accepted, allows customers to easily search for the lowest price for a specific item, and to shop at all hours of the day and night. Today's retailer can no longer compete on price alone. In order to sustain and improve profitability in this highly competitive environment, retailers need to differentiate themselves from other stores and strengthen customer loyalty to increase overall sales.

The essential goal for both entertainment and showroom facilities generally is the presentation of the complete environment.

And the complete environment starts from the floor up.

**EpiMax** is your source for the latest proven developments in performance protection systems. This is all we do. Our systems build on break-through technologies (extreme chemically resistant third generation epoxy novolac chemistry, high performance water based chemistry, new polyaspartic chemistry).

EpiMax has built its reputation on a construction engineering foundation. Our experience has been forged on an impressive variety of civil, environmental, industrial, mining, defence and general services construction.

This success has been proven through partnerships with forward-thinking architects, consultants, engineers, application contractors, project managers and materials testing agencies. We believe in teamwork, respect and integrity.

Our primary focus is

- Floor Protection Systems
- Industrial Concrete Protection Systems
- Green Star Protection Systems
- Water and Wastewater Processing Protection Systems
- Foundation Protection Systems
- Extreme CAT (Corrosion, Abrasion and Thermal) Protection Systems

### EpiMax: Expertise Applied, Answers Delivered

### System Performance Chart



EpiMax Studio and Showroom Flooring Range

## **Applications**

### Studios

- Television
- Movie and film
- Dance
- Recording
- TV News
- Educational
- Audio-visual

### Showrooms

- Automotive
- White goods
- Home wares
- Kitchen
- Furniture
- General retail
- Bulky goods
- Bathroom



## EpiMax 220

Performance clear two-pack solventless epoxy glaze coat system demonstrating excellent adhesion and clarity.

- Roller or airless spray application to 500 microns
- Suitable for vinyl flake flooring and polished concrete
- Excellent surface wetting characteristics
- Minimal sweat out, blush or bloom
- Suitable for behind glass applications
- Can be tinted for translucent finishes

## EpiMax 330

New two-pack solventless high build epoxy flooring system demonstrating excellent adhesion and general durability.

- Roller or airless spray application to 500 microns
- Resistant to a wide range of industrial chemicals •
- Non-tainting to food stuffs during application
- Anti-microbial formulation •
- Variable slip resistance available
- Wide range of colours

# EpiMax 330 Express

A rapid hardening two-pack solventless high build epoxy flooring system demonstrating excellent adhesion and general durability.

- Roller or airless spray application to 500 microns
- Rapid return to service
- Resistant to a wide range of industrial chemicals
- Non-tainting to food stuffs during application
- Anti-microbial formulation
- Variable slip resistance available

## EpiMax 333WB

A two-pack water based epoxy flooring system that provides excellent protection to all forms of concrete. This system can be used to prepare easy-clean floor and wall surfaces for a wide range of applications.

- Roller or airless spray application to 350 microns
- Hazmat free chemistry
- Long lasting durability •
- Good adhesion to damp concrete
- Can be applied in non slip finish •
- Replaces solvent based systems in many applications





## EpiMax 333WB Express

A rapid hardening two-pack water based epoxy flooring system that provides excellent protection to all forms of concrete. This system can be used to prepare easy-clean floor and wall surfaces for a wide range of applications.

- Roller or airless spray application to 350 microns
- Rapid return to service
- Hazmat free chemistry
- Long lasting durability
- Good adhesion to damp concrete
- Can be applied in non slip finish

## EpiMax 444

The proven solution for tough industrial applications where end users want to eliminate floor maintenance problems and expense. This system provides a bright, durable, impervious and chemically resistant floor surface which is both hygienic and easy to clean.

- Professional application at between 2 4 mm
- Fast application minimal downtime
- Attractive finish
- Chemically resistant
- High mechanical strength
- Hygienic provides a dense, impervious, seamless floor surface
- Easily cleanable



## EpiMax 777UHD

A high performance, gloss, two-pack solventless polyurethane coating that provides a durable gloss finish to coated and uncoated concrete.

- Thin film chemistry 150 microns
- Hazmat free chemistry
- Fast hardening
- Non yellowing, UV stabilised external applications
- Excellent scuff resistance
- Re-coatable

## Test Standards Met

#### AS/NZS 4586:2013

Slip resistance classification of new pedestrian surface materials

This Standard provides means of classifying pedestrian surface materials according to their frictional characteristics when determined in accordance with the test methods included. These test methods enable characteristics of surface materials to be determined in either wet or dry conditions.

The test methods in this Standard shall be used for the classification of pedestrian surface materials for use in either the wet or the dry condition.

The inclining ramp test methods are suitable for measuring the slip resistance of gratings, heavily profiled surfaces and resilient surfaces within the test laboratory environment.

In the field, the most commonly accepted and specified method of measuring slip resistance is by use of the TRL Pendulum Tester incorporating a rubber slider.

The range of EpiMax Studio and Showroom Flooring Systems have been tested to AS/NZS 4586:2013.

#### HB 198 An introductory guide to the slip resistance of pedestrian surface materials

This Handbook provides guidelines for the selection of slip-resistant pedestrian surfaces classified in accordance with AS/NZS 4586. It recommends the minimum floor surface classifications for a variety of locations, and includes a commentary on the test methods set out in AS/NZS 4586, as well as information on the consideration of ramped surfaces. Published in conjunction with the CSIRO.

### AS/ISO 9239.1 2003 Reaction to Fire Tests for Floorings. Critical Radiant Flux Energy.

To meet the Building Code of Australia, floor materials and floor coverings meet certain minimum Critical Radiant Flux (CRF) energies, and for non sprinklered buildings, a maximum smoke development rate.

The test method for these tests involves heating the horizontal test sample along its length with a radiant panel and then igniting it at the hot end. The sample is allowed to burn until the flame goes out (extinction). The heat energy measured at the point of extinction is the Critical Heat Flux (CHF), also called the Critical Radiant Flux (CRF) in the Building Code of Australia.

Smoke is measured over the duration of the test. The total amount of light extinction (measured as a percentage) due to the smoke obscuring a light beam in the flue is multiplied by the time of the test to give the result (in percent minutes).

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## Environmentally sustainable



## Resistance to abrasion and impact



Durable



## High adhesion



## Resistance to chemicals



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