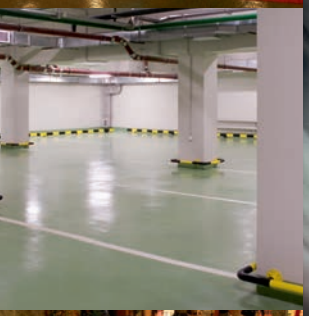


Retail and Commercial Floor Protection Systems

Green Star Protection for years - quickly

EpiMax 222

EpiMax 330

EpiMax 330 Express

EpiMax 333WB

EpiMax 333WB Express

EpiMax 444

EpiMax 777UHD

EpiMax 2150

EpiMax

What needs to be considered in the selection of a Retail and Commercial 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.

• Aesthetic appeal

Retail and commercial property must be attractive and functional to succeed. Floor surface selection is a critical issue. Polished concrete floors are increasingly becoming a material of choice in these applications. However, the concrete surface must be professionally sealed to provide a durable finish. Equally, car-parks are an important asset and they can be transformed with professionally applied fully cross linking coatings that resist oil and coolant spills as well as hot tyres.

• 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.

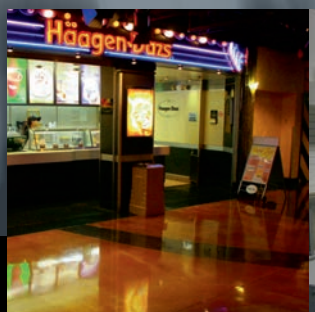
• Practical application characteristics

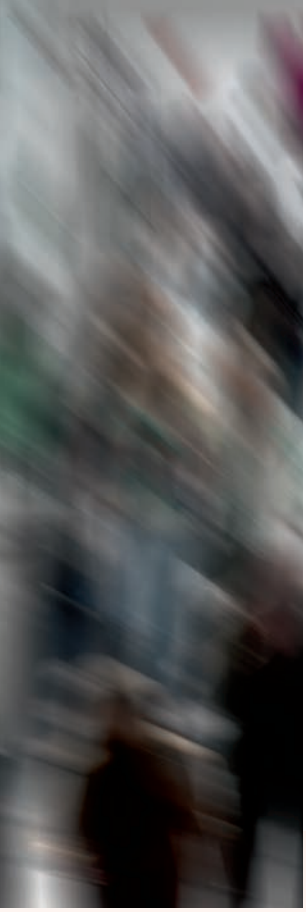
The particular needs of the structure including the practical aspects of access and application are important considerations in any project.

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 pressures** are at an all time high in the retail industry – consumers now have more shopping options than ever before. 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.*

To survive in today's highly competitive environment, retailers must deliver a unique retail experience that ultimately drives greater customer loyalty. And pressures in the commercial arena are not diminishing. Property developers need differentiators to maximise yields.

Two growing differentiators for retail and commercial developers alike are Green Star accreditation and the car-park experience.

Green Star accreditation is an obvious issue. Not just to do the "right thing" or to meet government or corporate mandates, although these are important, but for sound financial reasons. Green Star accredited buildings attract higher quality tenants and higher financial return.

Today's car-park experience is a critical one in higher level developments generally. Owners and operators alike require a combination of safety, reduced operating and maintenance costs and a pleasing atmosphere.

EpiMax is your source for the latest proven developments in performance wall and floor 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.

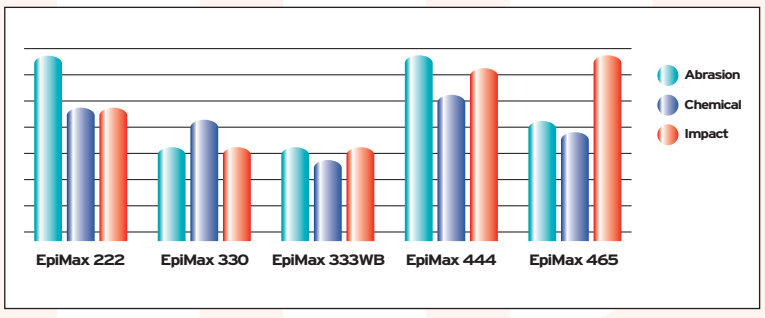
This success has been proven through partnerships with forward-thinking architects, consultants, engineers, application contractors, project managers and materials testing agencies. We believe in teamwork, respect and integrity.

Our primary focus is

- Floor Protection Systems
- Industrial flooring 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 Retail and Commercial Flooring Range

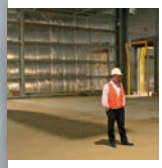
Applications

Retail development:

- ***Polished concrete protection***
- ***General shop fit out flooring***
- ***Car park floor and wall protection***
- ***Waste management areas***
- ***Factory outlet stores***
- ***Wholesale warehouses***
- ***Stock rooms***
- ***Plant rooms***
- ***Commercial kitchens***
- ***Fire stairs***

Commercial development:

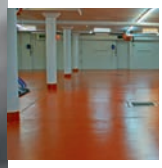
- ***Polished concrete protection***
- ***Plant rooms***
- ***Car park floor and wall protection***
- ***Waste management areas***
- ***Fire stairs***
- ***Commercial kitchens***
- ***Stock rooms***



EpiMax 222

Exceptional two-pack solventless epoxy flooring system demonstrating excellent adhesion and general durability.

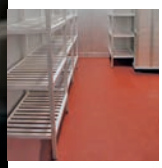
- Trowel application to 5+ mm
- Resistant to a wide range of industrial chemicals
- Certified traction levels available
- Anti-microbial formulation
- Tough and abrasion-resistant; excellent for heavy traffic
- Ideal for wet areas, ramps etc



EpiMax 330

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

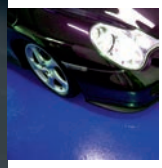
- Roller or airless spray application to 500 microns
- Resistant to a wide range of industrial chemicals
- Non-tainting to food stuffs during application
- Anti-microbial formulation
- Variable slip resistance available
- Wide range of colours



EpiMax 330 Express

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

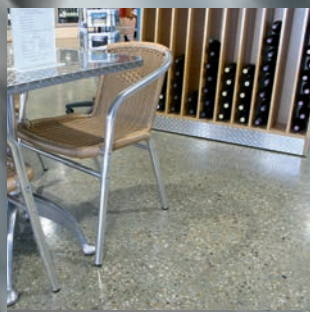
- Roller or airless spray application to 500 microns
- Rapid return to service
- Resistant to a wide range of industrial chemicals
- Non-tainting to food stuffs during application
- Anti-microbial formulation
- Variable slip resistance available



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

EpiMax 2150

A proven product designed to create a durable, anti dusting finish for many retail environments. These finishes also reduce staining and are aesthetically pleasing. Formulated to increase the overall integrity, strength and life expectancy of concrete surfaces and to enhance the chemical protection at the same time.

- Single pack
- Water based
- Quick return to service
- Maintenance free
- Externally durable

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 Retail and Commercial 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).

The range of EpiMax Retail and Commercial Flooring Systems have been tested to AS/ISO 9239.1 2003.



Environmentally sustainable

Resistance to abrasion and impact

Durable

High adhesion

Resistance to chemicals

EpiMax

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