



# Automotive Service and Repair Facility Protection Systems

Maximising service reliability and brand image



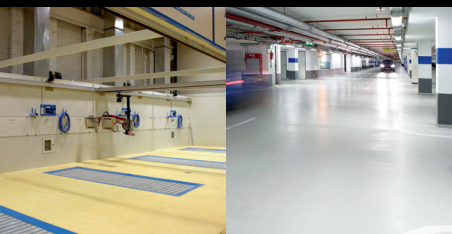
**EpiMax**

Expertise Applied, Answers Delivered

**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 main areas of expertise include:  
**Floor Protection Systems,**  
**Wall and Ceiling Protection Systems,**  
**Industrial Concrete Protection Systems,**  
**Green Certified Protection Systems,**  
**Water and Wastewater Processing Protection Systems,**  
**Foundation Protection Systems,**  
**Extreme CAT (Corrosion, Abrasion and Thermal) Protection Systems**



## 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 wall and 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 wall or floor protection 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 oil, grease 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.

## Inherent chemical resistance

Concrete is a widely used engineering material. However, whilst strong in certain mechanical aspects, unprotected concrete is extremely susceptible to a wide variety of chemical attack. The specification for any wall or floor protection system must address the chemical resistance requirements.

EpiMax offers a range of protection systems that cater to project requirements.

## Mechanical performance

The specification for any flooring system must address the mechanical performance requirements including impact and abrasion resistance. Any protection system applied to concrete must exhibit excellent adhesion and have a bond strength that exceeds the tensile strength of concrete.

## Flooring slip factor - safety under foot

It is important that the flooring system provides adequate traction in the working conditions of the facility. Traction is greatly influenced by contaminants (water, oil, dust etc) and standards exist for particular environments. Newer systems can offer enhanced traction and are still easy to clean.

## Practical application characteristics

The particular needs of the facility, 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 on walls in thicknesses of 150 microns per pass and on floors to 5mm.

Our systems are self priming.



# EpiMax Systems

## Light duty 400 microns

EpiMax 350T 2 coats

### Applications

Motorbike workshops, spare parts, car rental, aftermarket fitment, car storage areas, tyre dealer/fitter.



## Medium duty 2.5mm

EpiMax 444 or EP Binder @ 2mm

EpiMax 350T @ 400 microns

EpiMax 920 @ 100 microns

### Applications

Car workshops, carwash areas



## Heavy duty 4 - 5mm

EpiMax 465 @ 4mm - 5mm

EpiMax 460 @ 300 microns

### Applications

Truck and bus workshops, smash repair facilities, vehicle wreckers.



## EpiMax 333WB

A fast 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 wall and floor surfaces for a wide range of applications.

- Water based - odourless
- Environmentally friendly
- Rapid return to service
- Hazmat free chemistry
- Good adhesion to damp concrete

## EpiMax 350T

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

- Roller application two coats achieving 400 microns
- Resistant to a wide range of industrial chemicals
- Certified traction levels available
- Tough and abrasion-resistant; excellent for heavy traffic
- Ideal for wet areas, ramps etc

## EpiMax 444

The proven solution for tough industrial applications where end users want to eliminate floor maintenance issues. Provides a bright, durable, impervious and chemically resistant floor.

- Professional application at between 2 - 4mm
- Fast application - minimal downtime
- Chemically and mechanically strong
- Hygienic - dense, impervious, seamless
- Easily cleanable

## EpiMax 465

Industrial floor protection for areas with the highest mechanical demand. This system offers excellent thermal shock resistance and resistance to abrasion, mechanical stress and chemical action. Installation is fast and placement is easy.

- Typically applied at between 4 - 5mm
- Fast application - minimal downtime
- Extreme mechanical performance
- Excellent thermal shock resistance
- Easy to clean and sterilise

## EpiMax 920

This system is suitable for floors in high-traffic areas. Floors protected with EpiMax 920 show reduced staining from materials such as oil and grease.

- Coloured or clear
- Good chemical resistance
- UV resistant
- Certified traction levels available

## EpiMax EP Binder

This system is ideal for applications where high strength development and good ultimate chemical resistance is required.

- Fast or slow versions available
- Certified traction levels available
- Mechanically durable, high surface integrity
- Chemically resistant to automotive oils and fluids
- Tough and abrasion-resistant; excellent for heavy traffic



# Expertise Applied, Answers Delivered

## EpiMax applications

### Service facilities:

- Cars • Trucks • Buses • Motor Bikes • Service station/car wash operator • Tyre dealer/fitter • Spare parts
- Car rental • Aftermarket fitment

### Repair facilities:

- Vehicle wrecker/dismantler • Crash repair/body shops • General automotive repair • Accessory and system repair

## Test standards met by EpiMax

### AS/NZS 4586:2013

Slip resistance classification of new pedestrian surface materials

The range of EpiMax Automotive Service and Repair Facility Protection Systems has been tested to AS/NZS 4586:2013.

### ISO 9239-1:2010

Reaction to fire tests for floorings (CRF)

The range of EpiMax Automotive Service and Repair Facility Protection Systems has been tested to ISO 9239-1:2010.

### SCAQMD Method 304-91

Determination of volatile organic compounds (VOC)

The range of EpiMax Automotive Service and Repair Facility Protection Systems has been tested to SCAQMD Method 304-91



Environmentally  
sustainable



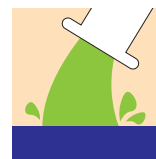
Resistance to  
abrasion and  
impact



Durable



High adhesion



Resistance  
to chemicals



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## EpiMax Systems Pty Limited

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