



# PU CEMENT

POLYURETHANE CEMENT  
EXTREME DURABILITY

**1. DURABILITY:**

DESIGNED TO LAST LONGER, REDUCING YOUR REPLACEMENT FREQUENCY AND COSTS. 2-9MM THICKNESS

**2. SUPERIOR FINISH:**

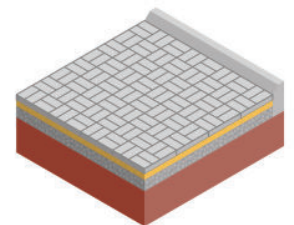
ACHIEVE YOUR DESIRED SLIP RESISTANT RATING IN GLOSS OR MATTE.

**3. VERSATILITY:**

SUITABLE FOR USE ON MANY SOLID SUBSTRATES SUCH AS CONCRETE, BRICKS AND TILES.

**4. ECONOMICAL:**

VARIOUS THICKNESS FOR YOUR BUDGET AND LONG-TERM SAVING.



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## **ROLL COAT APPLICATION**

SLIP RESISTANT R9 TO R13  
IMPERVIOUS AND SMOOTH FINISH

### **INTERCOAT APPLICATIONS TAILORED TO YOUR FLOOR**

#### **STRUCTURAL RESIN PAD**

STANDARD PAD: 2-4MM THICKNESS  
HEAVY DUTY PAD: 4-6MM THICKNESS  
EXTREME PAD: 6-9MM THICKNESS

#### **ENGINEERED FOR YOUR INDUSTRY**

STANDARD PAD  
HEAVY DUTY PAD  
EXTREME PAD

### **GRINDING / PATCH & REPAIR / SURFACE PREPARATIONS**

## **WHO SAYS THAT “POLYURETHANE CEMENT” IS THE BEST SOLUTION FOR ALL FLOORS!?**

We engineer your desired Resin Cement know as:  
“Structural Resin Pad” floor finishing system that is ideally suitable for  
your specific application.

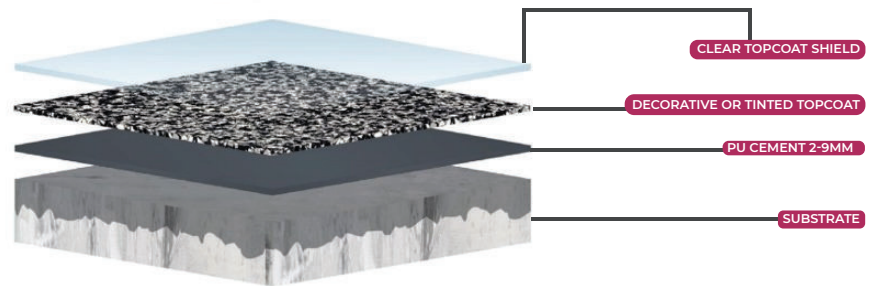
**It may be:**

- EPOXY
- POLYURETHANE
- POLY ASPARTIC

ALL ABOVE THREE SYSTEMS ARE BEING OFFERED IN BOTH FAST AND NORMAL CURE TO ENSURE MINIMAL DISTURBANCE AND DOWNTIME TO YOUR OPERATION.

## STRUCTURAL RESIN PAD CAN BE ENGINEERED TO YOUR FLOORING REQUIREMENTS

- DESIRED THICKNESS
- ENGINEERED TO YOUR FLOORING REQUIREMENTS
- SLIP RESISTANT RATING SUITABLE FOR YOUR INDUSTRY
- COLOUR FINISH SELECTION
- SUITABLE TEXTURE FINISH
- ANTIMICROBIAL



Smooth and impervious finish surface or skid resistant in accordance to Australian Standard.

Structural Resin Pad is the toughest floors in SHIMICOAT range engineered specifically for extreme service conditions. High Build 2-9mm Resin Mortar Pad is an antimicrobial flooring system, scientifically engineered for heavy duty floors.

At SHIMICOAT, we offer a wide range of purposely designed floors, tailored to suit specific requirements for every industry, based on floor applications.

A proven flooring system that you will always be proud of it for its performance and longevity. Designed and proven for use in heavy industries under extreme conditions. Ideally suitable for Australian climatic conditions.

Self-levelling Resin Mortar is being blended onsite and applied onto the surface using notched trowel and spike rollers.

Structural Resin Pad proven to be the toughest foundation Resin to withstand the most extreme environments ideally suitable for almost every flooring requirement such as:

- COMMERCIAL KITCHENS AND BARS
- CHILLER & COOL ROOMS
- MEAT PROCESSING PLANTS
- DAIRY, FOOD AND BEVERAGE PRODUCTION FACILITIES
- WAREHOUSE AND DISTRIBUTION CENTRES
- CHEMICAL AND MINERALS PROCESSING PLANTS
- MINING AND CHEMICAL STORAGE FACILITIES
- INDUSTRIAL FLOORS
- RECYCLING & WASTE TREATMENT PLANTS
- HEAVY ENGINEERING WORKSHOPS
- MINE SITES
- HOSPITALS
- CORRECTIONS FACILITIES
- VETERINARIES AND KENNELS
- MINING AND CHEMICAL STORAGE FACILITIES
- GOVERNMENT BUILDINGS

## STRUCTURAL RESIN PAD THICKNESS:

- STANDARD PAD: 2-4MM THICKNESS
- HEAVY DUTY PAD: 4-6MM THICKNESS
- EXTREME PAD: 6-9MM THICKNESS

Engineers, Designers, Specifiers, estimators and asset owners continually rely on SHIMICOAT trusted resin systems. Structural Resin Pad is designed to last and perform and is most certainly the toughest customised flooring systems available.

## STRUCTURAL RESIN PAD “ADVANTAGES AND BENEFITS”

### HYGIENIC AND SAFE SURFACE FINISH

SHIMICOAT Epoxy and Coating Materials are designed to meet Australia's stringent food safety standards, which require floor finishes to be clean and well-maintained to prevent the growth of harmful bacteria. These materials incorporate Ultra-Fresh antimicrobial technology, a globally recognized solution that effectively resists bacteria, fungi, mould, and mildew. SHIMICOAT Structural Resin Pad (Epoxy Cement), treated with Ultra-Fresh, ensures durable and hygienic surfaces, making it ideal for use in the food industry where maintaining high safety and cleanliness standards is critical.



### HACCP INTERNATIONAL FOOD SAFETY APPROVAL

All SHIMICOAT resin products are certified by HACCP Australia as suitable floor surfacing materials for food and beverage facilities that operate in accordance with HACCP based programs. In particular, Structural Resin Pad is being accredited as ideal solution for those surfaces with possible exposure to food contact.



### POTABLE WATER APPROVAL PASSIONATE ABOUT WATER QUALITY

Structural Resin Pad components have been tested in accredited laboratories for being safe when in contact with potable / drinking water in accordance to Australia /New Zealand Standard AS/NZS 4020:2018 Standard. The test regime includes trace element analysis, minerals, organic compounds including volatile (VOC), Protozoology as well as sensory taste and may other physical and chemical properties:

## COMPLIANCE WITH AUSTRALIA AND NEW ZEALAND STANDARD AS/NZ5 4020:2018:

APPENDIX / CLAUSE	AWQC TEST METHOD	RESULTS/EXPOSURE OF 15,000MM 2 PER LT
Taste	T0320-01	Passed
Appearance	TO029-01 & TO018-01	Passed
Growth of Aquatic Micro-Organisms	TO014-03	Passed
Cytotoxic Activities	TM-001	Passed
Metals	TIC-006	Passed
Organic Compounds	TMZ-M36	Passed

All above tests passed at an exposure of 15,000mm 2 per Lt.

SHIMICOAT products are being approved by Water Corporation of WA and certified for being safe to be applied as linear inside pipelines, storage tanks for potable and drinking waters. SHIMICOAT products can be used as liners and coating materials for any surfaces that are in contact with food and beverage.



## ISO 9001 QUALITY MANAGEMENT SYSTEMS

SHIMICOAT is an ISO 9001 Quality Assured Company for three reasons:

- Our duty of care towards our valued customers
- Quality enhancement and better processes to exceed expectations
- Comply with stringent industry requirements



## AUSTRALIAN PAINT APPROVAL SCHEME (APAS)

SHIMICOAT is APAS Certified company. Compliance and conformity to Australian Standards.

As part of CSIRO, APAS is an independent 3rd party conformity and product prequalification scheme that tests and certifies all types of surface coating materials and associated products to ensure they meet stringent performance specifications in accordance to Australian Standards.

## SLIP RESISTANCE

In every situation the appropriate floor surface profile is essential to provide a safe and efficient working environment. Minimising slips, trips, skids and falls may require many design considerations. SHIMICOAT Structural Resin Pad floor finishing systems offer a range of industry standard tested surface profiles. Smooth to highly slip resistant, tailor-made to suit every working environment across all industries.



## HEAVY LOAD BEARING

Structural Resin Pad flooring system distribute loads evenly across the entire bonded area and can adhere to different materials. Structural Resin Pad has different resin types that provide unique benefits such as superior intercoat bonding and longevity. Resin creates the strongest bond for most materials and can withstand extreme high pressure over a wide range of temperature from ambient to 250°C.

# EXTREME HIGH TEMPERATURES & THERMAL SHOCK RESISTANCE

Heavy duty floors in most commercial kitchen Floors may be subject to extreme thermal variations and require a system specifically designed to withstand such aggressive conditions.

SHIMICOAT Structural Resin Pad offers exceptional resistance to high temperatures (Up to 250°C) and extreme thermal shock conditions including routine and regular discharges of boiling water and steam.

The unique filler composition of Structural Resin Pad is highly tolerant to high temperatures of up to 250°C as well as sudden thermal rise or drop from ambient to 250°C.



## CHEMICAL RESISTANCE

SHIMICOAT Structural Resin Pad floors are designed to resist the commonly encountered manufacturing chemicals such as Hydrochloric acid, Phosphoric Acid, Acetic acid, Lactic acid and Oleic acid from vegetable and animal fats as well as Hydrogen Peroxide, caustic soda and Sodium Hypochlorite from pool chemicals. Structural Resin Pad is also used as a chemically resistant surface treatment for chemical bunds and heavy industrial processing facilities due to its extreme durability and bonding structure.



## ODOURLESS APPLICATION / VOC FREE

SHIMICOAT Structural Resin Pad systems have passed Australia Standard tests for low VOC and nil odour. Even diluent used in Structural Resin Pad are VOC free and without presence of any aromatic compound such as Toluene or Xylene. The entire range is aromatic solvent free (VOC Free) and will not taint food or cause issues in public ventilation, hence, ideally suitable for food processing plants, hospitals and health.



## UNBREAKABLE DURABILITY

SHIMICOAT Structural Resin Pad offers extreme MPA value of over 50 Megapascal with exceptional durability and strength characteristics. Structural Resin Pad is enforced and interlocked network of polymers with combination of specialist resins and high-quality blended filler materials engineered for extreme conditions.



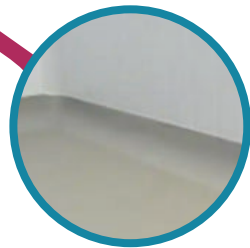
## INTEGRATED COVING SYSTEMS

SHIMICOAT offers a wide range of coving specifications to suit various structural elements. Coving specifications can be tailored to conform to global industry standards.



## THE FINAL COAT CAN ASSIST IN INTEGRATION OF FLOOR TO WALL COVING IN ANY FINISHING TYPE REQUIRED BY YOUR INDUSTRY:

- Smooth & seamless
- Thermoshiled
- Floor to Wall Coving
- Slip Resistant
- Ramp up/down Grade
- Extra Roll Coats



## CONDUCTIVE FLOORING

In industrial warehouses and production facilities that store flammable and sensitive goods, minimizing the risk of electrostatic discharge (ESD) is crucial for safety. To mitigate the dangers of ESD, implementing a suitable floor coating is essential.



# KEY FEATURES OF EFFECTIVE FLOOR COATINGS FOR ESD PROTECTION:

## 1. DISSIPATION OF STATIC CHARGE:

A specialized floor coating, such as SHIMICOAT Structural Resin Pad, is designed to dissipate static electricity across its surface. This helps prevent the buildup of charge to levels that could lead to dangerous sparks.

## 2. ANTI-STATIC AND CONDUCTIVE PROPERTIES:

The SHIMICOAT system effectively channels static electricity away, ensuring that any generated charge is quickly dissipated. This is particularly important in environments where movements—like foot traffic and the operation of vehicles—can create tribocharging.

## 3. DURABILITY AND RESISTANCE:

The resin pad is not only effective against static but also durable, resistant to wear and tear from heavy machinery, chemicals, and other harsh conditions commonly found in industrial settings.

## 4. EASY MAINTENANCE:

A well-designed floor coating system is easy to clean and maintain, helping to ensure that it remains effective over time without extensive upkeep.

## 5. COMPLIANCE WITH SAFETY STANDARDS:

Utilizing a floor coating that meets industry safety standards enhances the overall safety of the facility, providing peace of mind in environments where sparks and flames pose a significant risk.

## ADDITIONAL MEASURES TO ENHANCE ESD SAFETY:

### ● REGULAR MONITORING:

Implementing a routine inspection schedule to check for wear and effectiveness of the floor coating.

### ● GROUNDING SYSTEMS:

Installing grounding points to facilitate the dissipation of any accumulated charges.

### ● TRAINING AND AWARENESS

Ensuring all personnel are trained on ESD safety protocols and the importance of maintaining an ESD-safe environment.

BY INTEGRATING THESE MEASURES WITH AN EFFECTIVE FLOOR COATING LIKE SHIMICOAT, FACILITIES CAN SIGNIFICANTLY REDUCE THE RISK OF ELECTROSTATIC DISCHARGE, ENHANCING THE SAFETY AND EFFICIENCY OF OPERATIONS INVOLVING FLAMMABLE AND SENSITIVE MATERIALS.

## STRUCTURAL RESIN PAD “SYSTEM BENEFITS” POLYURETHANE CEMENT

- Antimicrobial performance
- Odourless, non-tainting to food and beverage
- Electrostatic Discharge (ESD) Flooring System
- Electrostatic Propensity Protection
- Excellent chemical resistance
- High impact and abrasion resistance
- High thermal shock resistance
- Moisture tolerant, ideally suitable for newly cured concrete
- High Temperature Resistant up to 250°C
- Freezing Temp Resistant down to -25°C
- Easy to clean and maintain
- High Pressure and Steam Cleanable
- Economical
- Extreme Mechanical Wear.
- HACCP International Certified Products and Flooring Systems
- Approved for Potable / Drinking Water “AS/NZS 4020:2018 Standard”.
- Fire resistant
- Fast Cure & Rapid return to service
- Adjustable cure time to suite your business
- Available in many colours
- Easy application
- Uniform consistency across the entire area
- Seamless without any breaking points
- Self-Levelling & Self-Smoothing
- Available in Matte Finish.
- Easy-to-trowel grade floor.

Structural Resin Pad / Epoxy Cement to your desired thickness plus multiple roll coat system for all purpose floors.

## INSTALLERS ASSIST

At SHIMICOAT, we offer comprehensive training to our installers which runs on quarterly basis.

Well trained personnel are highly skilled to install and deliver perfect Structural Resin Pad which guarantees uniform consistency in finish and colour throughout each application and project. SHIMICOAT training focuses on the most critical factors ensuring ultimate floor finishing system installation in accordance to industry standards, these are such as:

- Preparation of Substrate
- Floor design and engineering
- Resin Selections
- Slip Resistance Rating

SHIMICOAT can assist in floor selection to your desired specification to ensure the correct system is chosen for your industry and floor use.

SHIMICOAT offers a wide range of Construction Epoxy specifically engineered for industrial, military and marine applications. The company is specialized in repair composite materials and protective coatings with superior bonding ability to metal and concrete surfaces. Innovative products and ideally suitable for machinery, equipment, buildings, structures and pipelines.

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SHIMICOAT offers surface solutions to erosion, corrosion, chemical attack, abrasion and wear, water damage and weather deteriorations, ensuring minimal downtime and best solutions to many industries, a range of products such as:

1. Adhesive and Glue Concrete Repair
2. Abrasion Resistant Tank Lining
3. Concrete Protection
4. Concrete Repair
5. Erosion & Corrosion Inhibitor
6. High Temperature Coating
7. Load Bearing Epoxy
8. Metal Repair - Rebuilding Compound
9. Safety Grip System
10. Weather and Waterproofing System
11. Chemical Resistant Coating
12. Rubber Repair and Protection
13. Heavy duty trafficable jointing systems
14. Trafficable waterproof membranes
15. Anti-static and conductive system
16. Vertical grade wall & ceiling coatings
17. Rapid cure systems – return to service within hours
18. Decorative, heavy duty and seamless Resin systems such as Flake, Quarts and Aggregate
19. A wide range of densifiers, hardeners and sealers for concrete, tile, brick & limestone surfaces.

HEALTH AND SAFETY ALWAYS PARAMOUNT.

## RESIN FLOORING SOLUTIONS

Our commercial resin flooring systems are highly regarded for their durability, ease of maintenance, and professional finish. They are designed to withstand heavy foot traffic and industrial activities, making them the ideal choice for a variety of sectors.

### KEY FEATURES:

- **SEAMLESS AND IMPERVIOUS:**

Ideal for environments that require high hygiene standards, including Food & Beverage production, Pharmaceutical & Healthcare industries, Automotive workshops, Aircraft hangars, laboratories, clean rooms, and more.

- **HYGIENIC & EASY TO CLEAN:**

Resin floors are non-porous and smooth, reducing the risk of contamination and making them easy to maintain.

- **NON-TAINING EPOXIES:**

In food production facilities, specialty non-tainting epoxies can be used without affecting product integrity, even during production runs.

- **VERSATILITY:**

Resin flooring can be applied over existing tiles or bricks, and is effective in creating slopes for drainage and other custom needs.

- **THIN APPLICATIONS:**

Resin mortars can be applied at minimal thickness, which is advantageous when floor height is a concern.

Our systems are certified to meet stringent standards outlined by WaterCorp, TGA, HACCP and many Workplace Health and Safety guidelines, ensuring compliance and safety in high-demand environments.

## STRUCTURAL RESIN PAD (SRP) FLOORING

For environments exposed to high temperatures or frequent washing, such as commercial kitchens, meat processing facilities, freezer rooms, and heavy vehicle workshops, Structural Resin Pad Flooring Systems offer superior performance compared to traditional epoxy coatings. They are specifically designed to withstand heat from ovens, hot water washdowns, and other extreme conditions.

### WHY SHIMICOAT SRP FLOORING?

- **SUPERIOR TO EPOXY:**

SRP systems are more durable and resilient in environments with high heat exposure.

- **IDEAL FOR HIGH-TEMPERATURE AREAS:**

Recommended for areas surrounding ovens, and floors washed with hot water or exposed to hot elements.

- **CERTIFIED AND COMPLIANT:**

Like all SHIMICOAT resin systems, our SRP flooring meets the highest standards for WaterCorp, TGA, HACCP and in accordance to many Workplace Health and Safety guidelines.

In addition to our industrial and commercial solutions, we also provide flooring options for retail, hospitality, and corporate settings. Our solutions range from plain tinted epoxy to robust resin coatings, all tailored to meet both practical and aesthetic requirements.

Let us help you choose the perfect flooring system for your business, ensuring durability, safety, and ease of maintenance.

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