EPITHANE CPS

INTERNAL & EXTERNAL CAR PARK FLOORING SYSTEM

DESCRIPTION

EPITHANE CPS is a high quality, flexible polyurethane (PU) car park flooring coating system. This system can provide chemical resistance as well as abrasion and slip resistance with the addition of specially selected fine aggregates. The texture of the finished floor can be adjusted to suit your requirements. It is specially designed by using high quality solvent-free PU resins and curing agents.

USES

Both internal and external car park decks, parking lots, interior vehicle flooring, pedestrian walkway and other trafficable suspended floors.

BENEFITS

- Excellent chemical resistance & bonding strength.
- Resists bacterial growth; fungi, mould and mildew.
- High-density systems with maximum wear, abrasion and slip resistance.
- UV resistance.
- Noise reduction.

MIXING

Add Part A, Polyol, to a clean mixing drum.

Add Part B to the drum and mix for 10 seconds until uniform using a helical spinner. Stir mix both contents with high power mixer 750 rpm.

COLOURS

Standard **EPITHANE CPS** colors. **EPITHANE CPS** floor system is functionally formulated to withstand severe chemical, mechanical, UV and thermal damages.

TECHNICAL DATA

Elongation at Break, % (ASTM D638:2010)	4.1%
Tensile Strength (ASTM D638:2010)	> 33 MPa
Hardness (Shore D) (ASTM D2240)	65
Compressive Strength (ASTM D695:2010)	> 40 MPa
Slip Resistance	TRRL Pendulum Slip Test: • Dry >40 • Wet >40
Abrasion Resistance (ASTM D4060)	Taber Abrader: 0.1 g loss after 1000 cycles of abrasion
Fire Resistance (BS 476)	Designated EXT.FF.AA
Volatile Organic Compounds	3.90 g/L
Total Aromatic Organic Solvent (%)	N.D
Water Permeability	Nil-Karston Test (Impermeable)

Note: Coverage cover given is theoretical. Due to wastage factors, the variety nature of the substrate, and the site application condition, etc, the practical coverage may be reduced

TYPE

INDUSTRIAL FLOORING

ADVANTAGES

ABRASION RESISTANT · UV RESISTANT · CHEMICAL RESISTANT

COVERAGE (PER COAT)

0.25 kg/m²

COATINGS

2 coats (min)

COMPONENT

2 PART

EPITHANE CPS
INTERNAL & EXTERNAL CAR PARK FLOORING SYSTEM

SURFACE REQUIREMENT & PREPARATION

Substrate will normally be concrete or polymer modified screeds with minimum compressive strength 25 N/mm^2 and pull-off strength 1.5N/mm^2.

Preferably vacuum shot blast the surface with non-impact method.

Concrete surface planer, grit blasting and surface grinding or other mechanical means until a profile is evident. Substrate must be clean, free from dust, oil, water, paint residues, loose constituents or any contaminants.

APPLICATION

Apply the first primer coat EPIPRIME PU on the prepared concrete substrate.

Apply **EPITHANE CPS** within its pot life with a brush or roller. Immediately release air by spike rolling.

Service Temperature

EPITHANE CPS should not be applied on material or floor temperatures below 10°C. Temperatures should not fall below 5°C within the 24 hours after application. Softens over 65ºC of temperature. Resistance is maintained in many cases to 65ºC, which should be regarded as the maximum service temperature.

Substrate Movement

All moving joints must be carried through the **EPITHANE CPS** and properly sealed. Construction joint, sand cracks maybe covered but if substrate movement occurs, the **EPITHANE CPS** will reflect the crack.

Chemical Resistance

EPITHANE CPS will resist spillages of:

- Dilute and concentrated acids: hydrochloric, nitric, phosphoric and sulphuric.
- Dilute and concentrated alkalis, including sodium hydroxide to 50% concentration.
- Most dilute and concentrated organic acids.
- Mineral oils, kerosene, gasoline and brake fluids.

Resistance is maintained in many cases to 65 ºC, which should be regarded as the maximum service temperature. For more information required on chemical resistance of the product, please refer to the technical department of CHEMIND.

Cleaning

Clean all tools with Washing Thinner or other solvents prior to material taking a hard set. Small unreacted Part B in container to be decontaminated with a 5% solution of washing soda (sodium carbonate) prior to disposal. After material has set, it is virtually impossible to get off and must wear off over time.

COVERAGE

0.25 – 0.30 kg/m^2 per coat

PACKAGING

5 kg/set (Part A:4 kg & Part B:1 kg)

HEALTH & SAFETY

Some of the components of this product may be hazardous during mixing and application. Always use with suitable protective gears. Close container tightly after use. Keep out of reach of children.

SCOPE OF REGISTRATION AND STANDARDS

Manufacture of Waterproofing materials. Compliance with ASTM technical standards and AS 3740 - 2004 Australia Standard. SIRIM certification is available for selected products upon request, subject to applicable testing and certification requirements.

Made In Malaysia

CHEMIND

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SIRIM ASTM INTERNATIONAL Standards Worldwide CHEMIND AUSTRALIAN TECHNOLOGY

REF: PDS10310725