

CPS 25 PU

High Build, Polyurethane based Car Park Protection system

DESCRIPTION

CPS 25 PU is a high-build, durable, polyurethane car park protection system providing a seamless, hard wearing & slip-resistant, profiled surface for areas requiring good abrasion and slip resistance. CPS 25 PU can be applied between 1-2.5 mm and is available in various colours, providing aesthetically pleasing and brighter areas.

USES

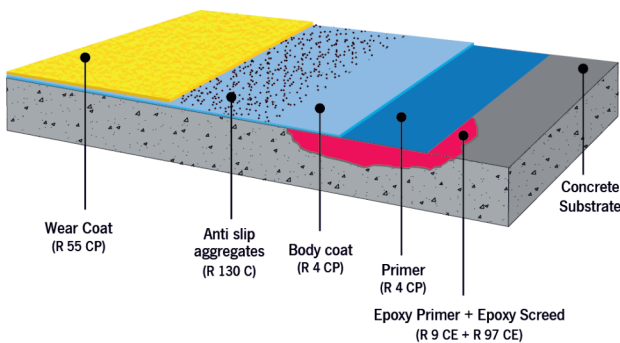
- Car Park decks, MLCP & ramps
- Service centers, garages
- Warehouses
- Loading Bay

FEATURES

- High Build – low long term maintenance
- Anti-skid
- Hard wearing: extremely durable and abrasion resistant
- Resistant to chemical spillages (battery acids, coolant)
- Aesthetically attractive: Available in range of colours

SYSTEM BUILD-UP

Layer	Product	Consumption (in gms/sqm)
Primer	R 4 CP	100-200 gms
Body Coat	R 4 CP	400-800 gms (depending on aggregate size & spread)
Anti-Slip Aggregate	R 130 C	1-3 kgs (depending on aggregate size)
Top Coat(Wear Coat)	R 55 CP	400-1000 gms (depending on aggregate size & spread)
UV Resistant coating (for exposed areas)	R 69 CP	120-200 gms



PHYSICAL PROPERTIES

CPS 25 PU	@ 27 ± 2°C
Thermal Resistance	Softens over 70°C, Hardens on cooling
Bond Strength	> 1.50 N/mm ²
Slip Resistance (BS 7976-2:2013)	> 40 PTV
Abrasion Resistance (ASTM D4060 : 2019) CS 17,1000 cycles	Approx. 18 mg
Water permeability (Kartsen tube)	0 ml/24hrs
Curing time	
Light Traffic	3 days
Vehicular Traffic	5 days
Full Cure	7 days
VOC	1.04 g/cc

APPLICATION INSTRUCTIONS

Installation of CPS 25 PU should be carried out only by an approved applicator of ARDEX ENDURA.

Surface Preparation

Note: The concrete substrate should have a surface tensile strength of at least 1.5 N/mm² and should be minimum 28 days old.

The concrete substrate must be hard, sound, free of dust and other barrier materials such as mortar, curing agents, laitance, oil, grease, etc. that will inhibit adhesion to the substrate. Overwatered or otherwise weak concrete surfaces must also be suitably prepared down to sound, solid concrete by mechanical methods. Dust and other debris should be removed using vacuum equipment.

The ideal substrate for application is a flat, lightly textured, clean concrete surface. Surface irregularities must be ground down or filled out with R 97 CE (epoxy mortar) after priming with R 9 CE. Concrete surfaces should be mechanically prepared, either by grinding, contained shot blasting or similar, and be vacuum cleaned.

Note: The surface moisture content should be less than 5% before commencement of the work. The coating should not be applied to floors that are known to have rising moisture. The product should not be applied in temperatures less than 10°C or where the ambient relative humidity is greater than 85%.

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Primer/Scratch Coat

Mix and apply R 4 CP using a roller/brush on the prepared surface (refer individual data sheet for mixing applications)

Body Coat

Mix and apply R 4 CP using a roller or brush on the primed substrate.

Anti-Slip Aggregate

Whilst the body coat is still wet, broadcast R 130 C (coarse) anti-slip aggregates. Allow the coating to cure for 12 hours and remove the excess aggregates after 12 hours by brushing or vacuuming.

Wear Coat

Mix & apply R 55 CP using a roller to get a uniform finish.

UV Resistant Coating and Lane Marking

Mix and apply R 69 CP using a roller or brush on the dried wear coat. The floor can be subjected to foot traffic after 24 hours and vehicular traffic after 5 days.

MAINTENANCE

Good housekeeping and regular cleaning is essential in order to maintain the performance of CPS 25 PU. It is particularly important in areas that are subject to regular spillage of chemicals. Spillages should not be allowed to dry, which results in higher concentrations of the chemicals, causing early failure. Regular cleaning of the surface with a rotary scrubbing machine in conjunction with a water miscible cleaning agent or hot water washing at temperatures up to 50°C is recommended.

PRECAUTIONS

During mixing and application the following precautions should be observed: Ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and by using, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water. Prolonged contact with the skin should be avoided, especially

where the user has an allergic reaction to resin-based materials. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

DISPOSAL/SPILLAGE

Spillage of any of the product components should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations. For further information please refer to the individual Material Safety Data Sheet.

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products. However, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.



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