

CPS 10 E



Epoxy based Car Park Protection system for Internal Decks

DESCRIPTION

CPS 10 E is a tough, durable, epoxy based car park protection system providing a seamless, wear resistant, profiled surface to intermediate decks of multi-story car parks. The high gloss helps to brighten the car park and provides aesthetical finish by demarcation of different areas.

USES

- Internal Car Park decks & ramps
- Service centers, garages
- Warehouses
- Loading Bays

FEATURES

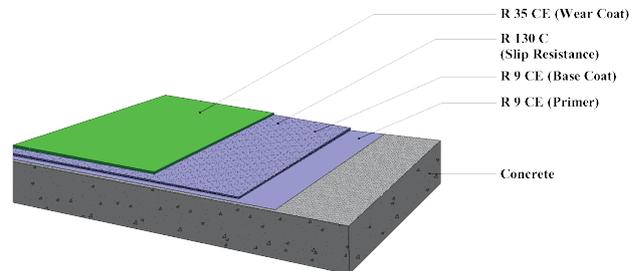
- Seamless: easily cleanable to maintain high standards of hygiene
- Tough & Hard wearing: durable with low maintenance cost
- Resistant to a wide range of chemicals and liquids
- Provides a high gloss finish
- Anti skid
- Supplied in pre-measured packs for ease of mixing and consistency at site
- Aesthetically attractive: Available in range of colours

PHYSICAL PROPERTIES

CPS 10 E	@ 27 ± 1°C
Walkability	24 hours
Vehicular Traffic	5 days
Full cure	7 days
Water Absorption	Nil
Slip Resistance	Good
Bond Strength (ASTM D 4541)	> 1.5 Mpa
Abrasion Resistance (ASTM D4060) loss/1000 Cycles (1kg load using CS17 Wheels)	~0.08g

SYSTEM BUILD-UP

Build-up	Product	Driveways & parking
Primer	R 9 CE	100 g/m ² - 150 g/m ²
Body Coat	R 9 CE	200 g/m ² - 300 g/m ²
Slip Resistance /Sand	R 130 C ASA 1	1 to 1.5 kg/m ²
Wear coat/ Top coat	R 35 CE	350 to 400 g/m ²



APPLICATION INSTRUCTIONS

Installation of CPS 10 E 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 ARDEX ENDURA range of repair materials. 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%.

Primer

Mix and apply R 9 CE using a roller/brush on the prepared surface (refer individual data sheet for mixing applications)

Body Coat

Mix and apply R 9 CE using a roller or brush on the primed substrate.

Anti-Slip Aggregate

Whilst the body coat is still wet, broadcast R 130 C (ASA 1) anti-slip aggregates. Allow the coating to cure for 12 hours and remove the excess aggregates after 12 hours by brushing or vacuuming.

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Wear Coat

Mix & apply R 35 CE using a roller or brush on the dried base coat. Allow the coating to dry for 12 hours.

Lane Marking

Mix and apply R 35 CE using a roller or brush on the dried wear coat for lane marking and stenciling. 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 10 E. 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.

STORAGE AND SHELF LIFE

Please refer storage and shelf life of individual products within the CPS 10 E system.

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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