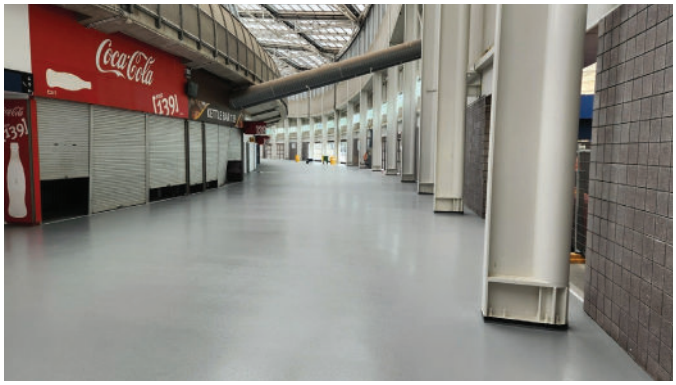
ENDURAFLOOR RC UV

SYSTEM DATA SHEET

Heavy duty epoxy/urethane flooring system with excellent UV resistance.

A&I COATINGS



TECHNICAL SNAPSHOT

COMPRESSIVE STRENGTH
>50Mpa

ABRASION RESISTANCE
Excellent

BOND STRENGTH TO CONCRETE
>1.5Mpa

DRY HEAT RESISTANCE
120°C

CHEMICAL RESISTANCE

Good - The following chemicals are an example only, based on ambient temperature exposure. Consult A&I for further information and any chemicals not listed below.

- Hydrochloric Acid 10% in H20
- Sodium Hydroxide 10% in H20
- Motor Oil
- Brake Fluid
- Skydrol
- Sulphuric acid 40%
- Grease
- Acetic acid 5%
- Diesel
- Hydrocarbon Solvents
- Nitric Acid 10%

Note: aesthetic staining is not classed as failure

FEATURES & BENEFITS

- Variable slip resistant profiles from P2—P5 ratings according to AS4586 2013
- Unlimited colour range
- Satin or gloss
- Easy clean
- High chemical resistance
- Suitable for pedestrian, vehicular and forklift traffic
- Economical and well suited for large areas.
- Easy installation.
- Light reflectivity
- Seamless finish

TYPICAL USES

- Areas subjected to full UV exposure
- Car Parks
- Workshops
- Engineering facilities
- Water Utilities
- Aircraft Hangers
- Walkways
- Stadiums
- Educational Facilities
- Defence Facilities
- Correctional Facilities
- Hospitals
- Restaurants
- Mining

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PREP AND SUBSTRATE REQUIREMENTS

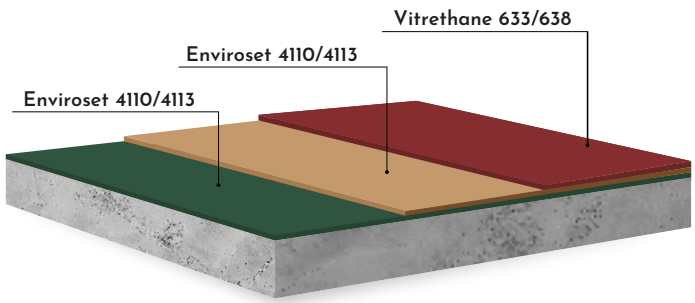
- Suitable substrates are concrete, CFC and mineral based substrates.
- Substrate to be min 25Mpa compressive strength and 1.5Mpa pull off value.
- Substrate must be free of rising moisture and must have an effective damp proof membrane. Substrate moisture content must be below 4% pbw.
- Surface must be sound, dry, free from all loose material, laitance, old coatings, dust and surface contaminants (e.g. oil, grease, chemicals, release/curing agents etc.).
- Concrete must be suitably keyed to ensure good coating adhesion. This can be achieved by diamond grinding to minimum ICRI CSP 2.
- Remove all loose matter through vacuum cleaning.

ATMOSPHERIC REQUIREMENTS

- Substrate surface temperature to be 3°C above dew point during installation and initial set
- Below 85% RH
- Application temperature between 10 – 30°C

SYSTEM BUILD UP

refer to individual product sheets for detailed product information.



APPLICATION:

Application by roller as a 2-3 coat system as follows

- 1st Coat-Enviroset 4110(smooth) or Enviroset 4113 (stippled) 5-7m2/L.
- 2nd Coat - Enviroset 4110(smooth) or Enviroset 4113 (stippled) 5-7m2/L
- 3rd Coat – Vitrethane 633 (satin) or Vitrethane 638 (gloss) at 7-8m2/L

Follow directives and installation instructions and intercoat timelines as listed in each TDS.

Slip resistant grit can be included to achieve slip ratings as desired - contact A&I coatings for further information.

CURING TIMES

- Pedestrian traffic: 24hrs at 22°C
- Vehicle Traffic: 72hrs for Satin and 96hrs for Gloss at 22°C
- Full cure: 7 days at 22°C at 60% humidity
- Curing times are subject to change depending on the ambient temperature

Ensure no water contact for at least 2 days.

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A&I COATINGS

FOR SPECIFIERS

SPECIFY:

"Floor coating system to be Endurafloor RC UV as supplied by A&I Coatings PTY LTD"

	Slip Rating	Colour	Finish
OPTIONS	Select from P2 – P5 as required	Choose from standard colours or any AS 2700 Colour	Nominate Satin or Gloss

STANDARD COLOURS:

IMPORTANT NOTES

- For consistent colouration, ensure the colour is from the same batch over the course of the project.
- Any expansion joints must be reflected through the system and filled with a flexible joint sealer after system application.
- Any dynamic crack movement may transfer through the floor system and result in a visual crack on the surface.
- Certain colours such as whites, bright colours may require additional coats to achieve coverage. Consult with A&I for further information.
- The coverage rates listed above on this system data sheet can vary depending on the quality of the substrate. Conduct site tests to verify.