

ENDUR FLOOR RC UV BIO

SYSTEM DATA SHEET

Heavy duty epoxy/urethane flooring system
with excellent UV resistance
Reduced Carbon Footprint



FEATURES & BENEFITS

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

Products within this system use waste cooking oil and biofuel waste matter to produce epoxy resin. This replaces a proportion of the fossil fuels that would otherwise be required. (Contact A&I for specific % of Biomatter used within system)



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 H₂O
- Sulphuric acid 40%
- Sodium Hydroxide 10% in H₂O
- Grease
- Motor Oil
- Acetic acid 5%
- Brake Fluid
- Diesel
- Skydrol
- Hydrocarbon Solvents
- Nitric Acid 10%

Note: aesthetic staining is not classed as failure. Spills and splashes should be cleaned and removed within 24hrs

TYPICAL USES

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

ENDUR FLOOR RC UV BIO

SYSTEM DATA SHEET

Heavy duty epoxy/urethane flooring system
with excellent UV resistance
Reduced Carbon Footprint



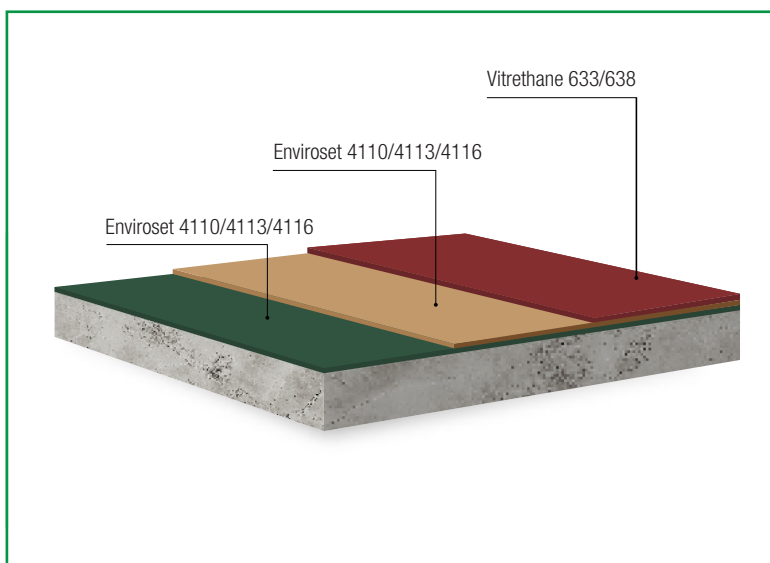
PREP AND SUBSTRATE REQUIREMENTS

- 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
- Application temperature between 10 – 30°C
- Below 85% RH

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 4110/4116 (smooth), Enviroset 4113(stipple) 5-7m²/L
- 2nd Coat - Enviroset 4110/4116 (smooth), Enviroset 4113(stipple) 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.

ENDURAFLOOR RC UV BIO

SYSTEM DATA SHEET

Heavy duty epoxy/urethane flooring system
with excellent UV resistance
Reduced Carbon Footprint



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.

FOR SPECIFIERS

SPECIFY:

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

OPTIONS	Slip Rating	Colour	Finish
	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.