ENDURAFLOOR SL

SYSTEM DATA SHEET

Heavy duty solvent free epoxy topping. Can be finished smooth or with fine textured finish. Finished from 2-4mm.

A&I COATINGS

TECHNICAL SNAPSHOT

COMPRESSIVE STRENGTH
> 50Mpa

ABRASION RESISTANCE
Excellent

BOND STRENGTH TO CONCRETE
>1.5Mpa

DRY HEAT RESISTANCE
120°C

VOC
27grams/Litre, conforms to Green Star Design.

FIRE RESISTANCE
(kWm2)=> 11

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.

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

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

FEATURES & BENEFITS

- Variable slip resistant profiles from P2—P4 ratings according to AS4586 2013
- Unlimited colour range
- Easy clean
- High chemical resistance
- Suitable for pedestrian, vehicular and forklift traffic
- Low VOC
- Critical radiant flux certified
- Good impact resistance
- Good abrasion resistance
- Can be rendered UV stable if required
- Light reflective
- Seamless Finish

TYPICAL USES

- Laboratories
- Defence
- Educational
- Resurfacing worn floors
- Studios
- Flat floor requirements
- Process areas (with textured finish)
- Workshops
- Correctional Facilities
- Loading Docks
- Mining
- Port and Marine
- Restaurants
- Pharmaceuticals
- Hospitals
- Aircraft Hangers

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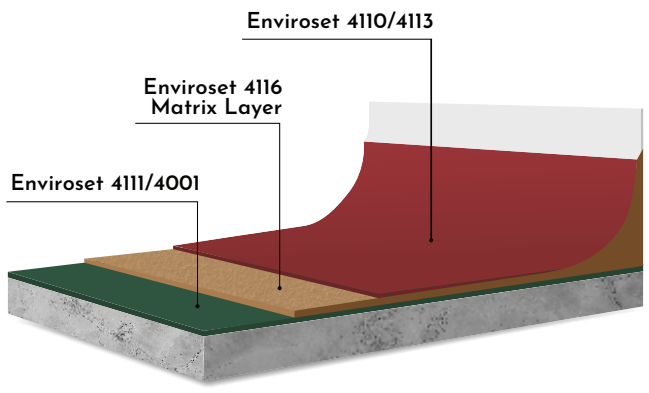
PREP AND SUBSTRATE REQUIREMENTS

- 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 3ºC above dew point during installation and initial set
- Below 85% RH
- Application temperature between 10 – 30ºC

SYSTEM BUILD UP refer to individual product sheets for detailed product information.



APPLICATION:

- 1/Primer: Enviroset 4111/4001 applied by roller at @5-6m2/Litre.
  (If the finished system will be smooth apply a second coat of Primer at the same coverage rate).
- 2/ Apply Enviroset 4116 at desired thickness - 2, 3 or 4mm.
  2mm self-smoothing layer: One 10L kit extended with 9kg of 50N sand will cover approximately 6.7m2.

  3mm self-smoothing layer: One 10L kit extended with 9kg of 50N sand will cover approximately 4.5m2.

  4mm self-smoothing layer: One 10L kit extended with 9kg of 50N sand will cover approximately 3.3m2.
- 3/ If a fine textured finish is required apply final coat Enviroset 4110/4113 at 7m2/litre with inclusion of aluminium oxide aggregate.

  If UV resistance is required apply 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.

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CURING TIMES

- Pedestrian traffic: 24hrs at 22°C
- Vehicle Traffic: 72hrs at 22°C
- Full cure: 7 days at 22°C
- Curing times are subject to change depending on the ambient temperature
- Ensure no water contact for at least 5 days.

FOR SPECIFIERS

SPECIFY:

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

	Slip Rating	Colour	Thickness	Finish
OPTIONS	Select from P2 – P4 as required	Choose from standard colours or any AS 2700 Colour	Either 2, 3 or 4mm	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.