ENDURAFLOOR WB

SYSTEM DATA SHEET

Water based epoxy coating meeting green star requirements.

A&I COATINGS

TECHNICAL SNAPSHOT

*Information based on test results for Enviroset 2100

ABRASION RESISTANCE
Good

BOND STRENGTH TO CONCRETE
>1.5Mpa

DRY HEAT RESISTANCE
120ºC

VOC
26grams/Litre, conforms to Green Star Design

FIRE RESISTANCE
((kWm2)=12.4

SMOKE VALUE %
0%

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 30%
- Grease
- Acetic acid 5%
- Diesel
- Hydrocarbon Solvents
- Nitric Acid 10%

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
- Clear or Coloured
- Satin or Gloss
- Unlimited colour range
- Easy clean
- Good chemical resistance
- Suitable for pedestrian, trolley and rubber wheeled vehicular traffic
- Low VOC
- Economical and well suited for large areas
- Allows transmission of moisture vapour (Enviroset 2100 only)
- Self-priming
- Low Odour
- User friendly, easy application by spray, brush or roller
- APAS Approved
- Seamless finish

TYPICAL USES

- Retail Outlets
- Commercial Offices
- Warehouses
- Car Parks
- Storage Facilities
- Education
- Walls, including retaining walls
- Back of House facilities
- Amenities
- Walkways
- Garages

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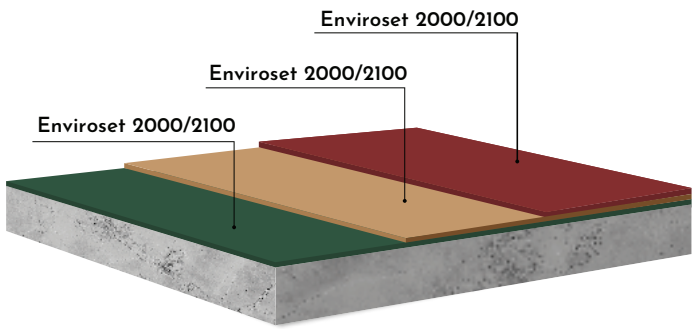
PREP AND SUBSTRATE REQUIREMENTS

- Suitable substrates are concrete, CFC and mineral based substrates.
- Substrate must be free of rising moisture and must have an effective damp proof membrane beneath.
  Note: If using E2100, this is not applicable.
- Substrate to be min 25Mpa compressive strength and 1.5Mpa pull off value.
- Substrate moisture content must be below 4% PBW. If using Enviroset 2100 this can be under 6% 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/ For Clear option apply Enviroset 2000
  By roller as a 2-3 coat system dependant on concrete absorbency. Follow application guidance and intercoat times as listed in TDS.
  1st coat 7m2/litre
  2nd coat 8m2/Litre
  3rd coat if required - 8m2/Litre
  Note: For clear satin finish the first coat must be applied in gloss.
- 2/ For Coloured option apply by roller Enviroset 2100(satin) as a 2-3 coat system dependant on concrete absorbency. Follow application guidance and intercoat times as listed on TDS.
  1 coat at 7m2/Litre
  2nd coat 8m2/litre
  3rd coat if required 8m2/Litre.

  *Note for Gloss finish Enviroset 2200 is used on second and 3rd coats.

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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A&I COATINGS

CURING TIMES

- Pedestrian traffic: 48hrs at 22°C at 60% humidity.
- Vehicle Traffic: 72hrs at 22°C at 60% humidity.
- 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 5 days.

FOR SPECIFIERS

SPECIFY:

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

	Slip Rating	Colour	Finish
OPTIONS	Select from P2 – P4 as required	Choose clear finish or standard colours. Alternatively choose colour from AS 2700	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.
- **Being a water based system the humidity is a very important factor for product curing. Ensure humidity is under 85% and there is good airflow during application. Application outside this parameter can result in uneven appearance of cured film.**
- The coverage rates listed above on this system data sheet can vary depending on the quality of the substrate. Conduct site tests to verify.