ENDURAFLOOR SL CONDUCTIVE

SYSTEM DATA SHEET

Endurafloor SL Conductive is a pigmented, solvent free, static conductive, self smoothing epoxy floor system

A&I COATINGS

TECHNICAL SNAPSHOT

COMPRESSIVE STRENGTH
> 50Mpa

ABRASION RESISTANCE
Excellent

BOND STRENGTH TO CONCRETE
>1.5Mpa

DRY HEAT RESISTANCE
120°C

VOC
Less than 50 Grms/Litre, conforms to Green Star Design.

CHEMICAL RESISTANCE
Excellent Consult with A&I Coatings for specific information

HOT WATER RESISTANCE
Up to 65°C

RESISTANCE TO EARTH
Tested to: EN 1081 < 10^6 ohms
Tested to: EN 61340-4-1 < 10^9 ohms

FEATURES & BENEFITS

- P1 Slip Resistance - Dry Areas
- Easy clean
- High chemical resistance
- Suitable for pedestrian, vehicular and forklift traffic
- Low VOC
- Good impact resistance
- Good abrasion resistance
- Static Conductive
- Light reflective
- Seamless Finish

TYPICAL USES

- Laboratories
- Defence
- Educational
- Resurfacing worn floors
- Aeorosol Processing
- Solvent Manufacturing
- Electrical Industries
- Explosive Zones
- AGV Traffic
- Dangerous Goods Production/Storage
- Pharmaceuticals
- Hospitals
- Aircraft Hangers
- Data Centres

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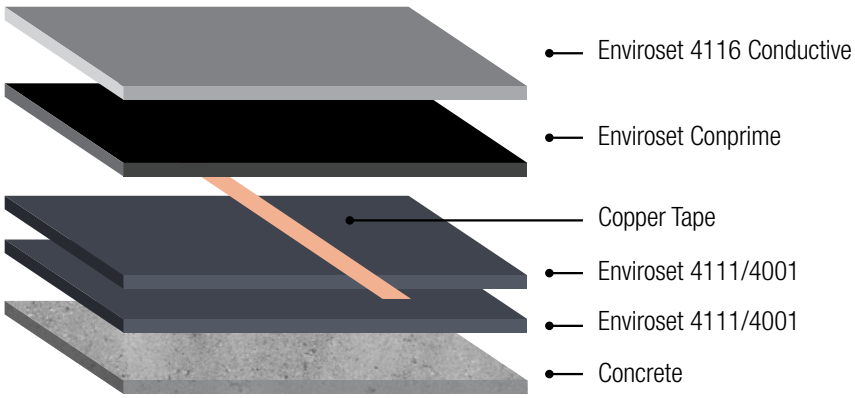
PREP AND SUBSTRATE REQUIREMENTS

- 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:

- Primer: Enviroset 4111/4001 applied by roller at @5-6m2/Litre.
- Apply 2nd coat Enviroset 4111/4001applied by roller at @5-6m2/Litre.
  (If substrate requires leveling, a scratch or skim coat of Enviroset 4116 should be applied. Surface must be flat before proceeding).
- Install 12mm conductive copper tape around perimeters. Install 100mm in from walls. Copper tape also to be installed at 3 metre spacings in 1 direction. Copper tape to extend to an earthing point. Earthing of copper tape to Earth point to be completed by a qualified technician.
- Apply Enviroset Conprime by roller at 0.1 Kg/m2
- Apply Enviroset 4116 Conductive by flat trowel and spike roller between 1.5-1.8 Kg/m2

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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 conductive as supplied by A&I Coatings PTY LTD"

OPTIONS	Slip Rating	Colour	Thickness	Finish
	P1	Standard Colours only as below	1-1.5 mm	Gloss

STANDARD COLOURS:

Light Grey (RAL 7035)

Dusty Grey (RAL 7037)

Iron Grey (RAL 7011)

Window Grey (RAL 7040)

Ruby Red (RAL 3003)*

Leaf Green (RAL 6002)*

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.
- For human movement, ESD footwear is required to transfer electrical charge to Earth, via the Endurafloor SL Conductive system.
- Vehicles or machinery such as an AGV, require either conductive tyres or straps to transfer electrical charge to Earth, via the Endurafloor SL Conductive system.