ENDURAFLOOR AUTOSHIELD

SYSTEM DATA SHEET

Heavy duty, slip resistant flooring system with high impact and abrasion resistance.

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

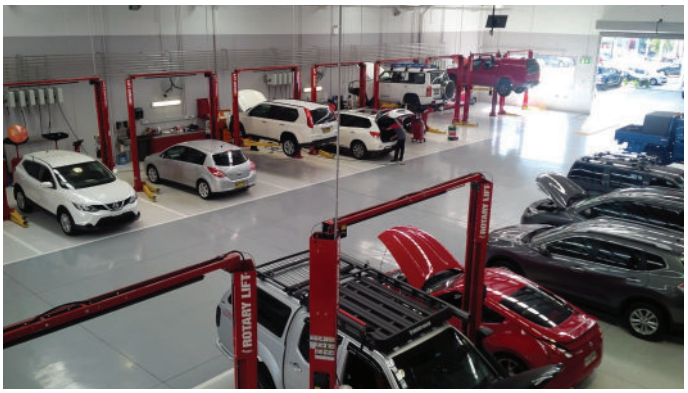
CHEMICAL RESISTANCE
Good - The following chemicals are an example only, based on ambient temperature exposure. Consult A&I for further information and any chemicals not listed below.

- Sodium Hydroxide 10% in H20
- Motor Oil
- Brake Fluid
- Sulphuric acid 30%
- Grease
- Acetic acid 5%
- Diesel
- Hydrocarbon Solvents
- Hydraulic Oil

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 P3 – P5 ratings according to AS4586 2013
- Unlimited colour range
- Extremely high abrasion resistance
- Excellent impact resistance
- Light reflective
- Easy clean
- UV resistant
- High chemical resistance
- Suitable for pedestrian, vehicle and forklift traffic
- Low VOC
- Resurfacing worn and damaged floors.
- Seamless Finish



TYPICAL USES

- Auto Workshops
- Wash Bays
- Car Wash
- Truck Service Centres
- Tyre & Exhaust Centres
- Military Workshops

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PREP AND SUBSTRATE REQUIREMENTS

- Suitable substrates are concrete, CFC and mineral based substrates.
- Substrate to be minimum of 25Mpa compressive strength and 1.5Mpa tensile strength.
- Substrate must be free of rising moisture and must have an effective damp proof membrane beneath.
- 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 or shot blasting to minimum ICRI CSP 2-3.
- Remove all loose matter through vacuum cleaning.

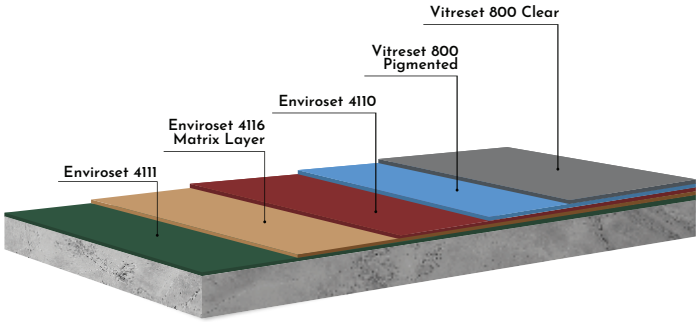
ATMOSPHERIC REQUIREMENTS

- 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:

- 2-3mm finish – For the 2-3mm finish apply base layer of E4111 at 5-6m2/L. Whilst wet cast 18/40 aggregate at approximately 300 grams per m2.
- Apply E4116 by squeegee and backroll or flat trowel to 1mm thickness. Whilst wet cast 30/60 or 18/40 aggregate depending on slip resistance requirements (contact A&I). Broadcast is to refusal, 2-3kg/m2.
- Sweep and vac excess aggregate.
- Apply E4110 by squeegee and backroll at 3m2/L over the 30/60 sand, or 2.5m2/L over the 18/40 sand.



- Apply pigmented V800 polyaspartic at 7-8m2/L by roller. Ensure not to overfill as this will reduce slip resistance.
- Apply clear coat of V800 Polyaspartic at 8m2/L by roller, ensuring not to overfill.

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CURING TIMES

- Pedestrian traffic: 24hrs at 22°C.
- Vehicle Traffic: 48hrs 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 36hrs.

FOR SPECIFIERS

SPECIFY:

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

	Thickness	Slip Rating	Colour	Finish
OPTIONS	2-3mm	Select from P3 – P5 as required	Choose from standard colours or any AS 2700 Colour	Gloss

STANDARD COLOURS:

Nest Grey | Lunar Grey | Berrima Grey | Iron Grey | Stockton Blue | Highland Green | Quarry Red | Medway Beige

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.
- If any doubts exist on the suitability of the substrate, it is recommended a site test be conducted.