

“The Gabba” (Brisbane Cricket Ground)

Project Review July 2013

Overview

InSpec Consulting Pty Ltd requested from A&I Coatings recommendations for the sealing of the Level 4 concrete concourse at the Brisbane Cricket Ground. The existing coating was allowing water through and delaminating, and a cleanable, non slip coating was needed.



1800 819 585 | sales@aicoatings.com
www.aicoatings.com

The A&I Coatings specification:

Remove the existing coating/membrane by diamond grinding or shot blasting. Provide a surface that is clean, dry, and profiled to CSP 2 – 3 so that an excellent key can be achieved.

1. Apply first coat of Envirothane 2100 Water based epoxy to a DFT of 50 - 75 µm
2. Treat all visible cracks using Vitrethane 668 Elastomeric Joint Filler.
3. Apply by dual component spray technology Vitrethane 605 Flexible Polyurethane to a dry film thickness of 2mm ± 400 µm.
4. After 0.5 – 2 hours, apply one coat of Envirothane 8473 Flexible Two Pack Water Based Polyurethane – Texture to specified colour.
5. After overnight dry apply Envirothane 8473 Flexible Two Pack Water Based Polyurethane Non Skid to colour.

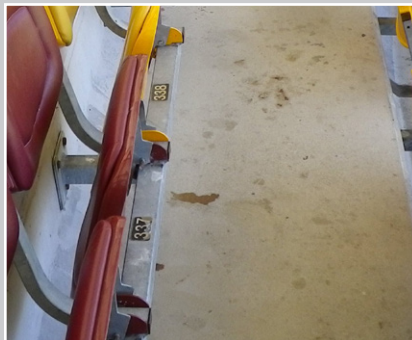


The Result

Coating requirements:



- Ability to bridge hair line cracks, and repair larger cracks.



- Capable of working in conjunction with expansion joints.



Slip test

- Resistant to alcohol and soft drink, food-stuff, vegetable oil and other fats.
- Resistant to mild cleaning detergents/ sanitisers is desirable (not currently resistant).

- UV resistant.
- Range of colours
- Able to be over coated for the purpose of demarcation.
- Simple repair method.
- Able to comply with AS4586 for Slip Resistance of Class X (or better) for general traffic and Class W (or better) for "potentially" wet areas (Bar areas where beer is served/consumed).



The Result

Challenges

Best Solution

The system that meets the maximum number of described requirements and features possible

Aesthetics & Appearance

- Must be uniform and consistent
- Any Colour
- Able to be line marked
- Excellent UV resistance

Durability

- Must be “tough” enough to withstand heavy foot traffic and some powered fork trucks etc
- Must be easy to clean by various methods
- Chemical resistant - cleaners, alcohol etc...
- Must be easy to “touch-up”

Waterproofing

- Must work with joint repair system
- Must be able to bridge cracks
- Must have excellent expansion and contraction tolerance

Safety

- Must be non-slip and comply to AS 4586 Class X
- Reasonably safe to fall on
- Non-toxic



Freecall: 1800 819 585

E: helpdesk@aicoatings.com

F: 02 4869 3031

www.aicoatings.com

Postal: PO Box 820 Moss Vale NSW 2577

Head Office: 7 Lackey Road Moss Vale NSW 2577