

Anti-Graffiti Coatings Guide

Envirochoice
Graffiti Protection



About Us	Page 3
Coating Systems for Various Substrates	Page 4
Product Overview	Page 5
Product Overview	Page 6
Maintenance	Page 7
Maintenance	Page 8
Quality Control	Page 9
Completed Projects	Page 10
Completed Projects	Page 11
Back page	Page 12

ACKNOWLEDGEMENTS
 We acknowledge all images in this publication taken from non A & I Coatings resources

DISCLAIMER
 The information in this book is offered free of charge as a guide to aid product selection and application. It should not be taken as a substitute for technical and safety information presented in product specific Technical Data Sheets and Material Safety Data Sheets which are available through accredited A&I Coatings distributors. Since the final use and application of the products presented herein is beyond our control we cannot be held responsible for product field performance or liabilities arising from misapplication.

© COPYRIGHT A&I Coatings January 2016. All rights reserved.
 The entire contents of this book are copyright. Photocopying, scanning, duplications, or copying of pictures or information without specific written permission from A&I Coatings is a breach of copyright and may result in legal action.



Welcome to A & I Coatings – a company that recognises the requirements of its valued clients and services those requirements by producing products in line with the latest technological developments.

Now a fully certified ISO 9001-2008 company and committed to environmental responsibility, A & I Coatings confidently responds to the most daunting challenges and fulfils the most complex requirements. A & I Coatings anti-graffiti coatings combine durability with environmental responsibility. What is released are products that are fit for purpose, user friendly, economic and will provide a long lasting finish.

We at A&I Coatings look on graffiti protection as both a challenge and a privilege. We believe we have the challenge sorted, and now we hope you'll give us the privilege of protecting your property.

Research and development at A & I Coatings involves extensive practical testing in a multitude of applications to validate products according to the most stringent standards. A & I Coatings is a family business with more than 30 years of experience in the development and manufacture of special purpose coatings.

The friendly team at A&I Coatings are eager to help with specifications, samples, low VOC certificates for GreenStar projects and advice regarding the best systems for meeting specific requirements.

We invite you to put our products to the test.

coating systems for various substrates

Typical Anti-Graffiti Coating Systems for Various Substrates

Substrate	Coloured/Clear	Sacrificial/Non Sacrificial	Preparation	Coating System	Coverage Rate
Concrete	Clear	Sacrificial	Clean surface to remove contaminants. Diamond grind, track or light-shot blast. Remove dust.	1st Coat E8074 Penetrating Primer	8m ²
				2nd Coat E8075 Clear W/B Acrylic	8m ²
	Clear	Non Sacrificial		1st Coat E2000 W/B Epoxy	8m ²
				2nd Coat E8480 Clear Topcoat	8m ²
				3rd Coat E8480 Clear Topcoat	8m ²
	Coloured	Non Sacrificial		1st Coat E2100 W/B Epoxy	8m ²
2nd Coat E8480 Coloured Topcoat			8m ²		
3rd Coat E8480 Coloured Topcoat			8m ²		
Acrylic Coating	Clear	Non Sacrificial	No preparation required where acrylic coating has only been applied for 3 days or less.	1 Coat E8480 Clear or coloured Topcoat	8m ²
Steel – New	Coloured	Non Sacrificial	Abrasive blast AS1627.4 Class 2.5	1st Coat E2300 W/B Epoxy	8m ²
				2nd Coat E8480 Coloured Topcoat	8m ²
				3rd Coat E8480 Coloured Topcoat	8m ²
Steel - Maintenance	Coloured	Non Sacrificial	Hand tool clean AS1627.7 Class 2 Power tool clean AS1627.2 Class 2	1st Coat E2300 W/B Epoxy	8m ²
				2nd Coat E8480 Coloured Topcoat	8m ²
				3rd Coat E8480 Coloured Topcoat	8m ²
Galvanised Steel	Coloured	Non Sacrificial	Clean, degrease and abrade surface	1st Coat E2300 W/B Epoxy	8m ²
				2nd Coat E8480 Coloured Topcoat	8m ²
				3rd Coat E8480 Coloured Topcoat	8m ²

Notes:

1. If the existing acrylic coating has been applied for a period longer than three days or is not an acrylic supplied by A & I Coatings, then a test area must be done to ensure compatibility and adequate adhesion is achieved.
2. A & I Coatings doesn't supply a clear non sacrificial coating system for steel, or a coloured sacrificial coating for steel.
3. Coverage rates will vary according to surface being coated, atmospheric conditions and the method of application.
4. The typical systems described on this page are offered as a guide only and are not to be used as a specification. It is recommended that the specific requirements of a project be discussed with an A & I Coatings technical representative.
5. E8476 can be used as a non-sacrificial topcoat in place of E8480 as a lower cost option. E8476 won't be quite as effective or long lasting as E8480.



product overview

Envirochoice Anti-Graffiti Coatings Wiping the graffiti issue...

E2000 Clear Water Based Epoxy

A & I Coatings ENVIROSET 2000 is a two pack water borne very clear epoxy coating with excellent film properties and surface hardness. This self priming and environmentally friendly coating system is ideal as a floor coating or concrete primer with excellent adhesion, chemical resistance and tolerance to damp surfaces.

E2100 Pigmented water Based Epoxy

A & I Coatings ENVIROSET 2100 is a two pack water borne epoxy coating with excellent film properties and surface hardness. ENVIROSET 2100 is a self-priming and environmentally friendly coating system which is ideal as a floor coating and concrete primer, due to its excellent adhesion, chemical resistance and tolerance to damp surfaces.

E2300 Water Based Epoxy Steel Primer

ENVIROPHOS 2300 is a water based, environmentally friendly two pack zinc phosphate primer for mild steel, hot dipped gal and zinc plated steel. This product exhibits excellent anti-corrosive properties, is fast drying and has very good resistance to abrasion and impact damage. E2300 commonly forms the primer or intermediate coat in medium to heavy duty coating specifications, in conjunction with an Envirothane topcoat.

E8074 Penetrating Primer

A & I Coatings ENVIROTHANE 8074 is a penetrating primer tie coat or sealer to be applied on a variety of surfaces to provide a sound surface for painting with waterborne topcoats.



product overview



maintenance

E8075 Clear Sacrificial Anti-Graffiti Coating

A & I Coatings ENVIROTHANE 8075 is a water based acrylic masonry coating. It protects and enhances a variety of concrete based construction materials for residential and commercial applications. The coating may be used directly on vertical cementitious substrates or over acid stains and over substrates previously treated with latex coatings leading to a high performance long lasting protective coating system.

E8476 Clear Two Pack Polyurethane

A & I Coatings ENVIROTHANE 8476 is a water borne two pack polyurethane coating which gives excellent adhesion, barrier and film properties on a variety of substrates. It is easy to use and environmentally friendly, with the added benefit of durability, good yellowing and UV resistance on exterior exposure. It has good abrasion and chemical resistance. This product performs well as a moderate duty non sacrificial anti-graffiti coating,

E8480 Two Pack Fluoro Modified Polyurethane

A & I Coatings ENVIROFLON 8480 is a unique, environmentally friendly two pack water borne fluoro modified two pack acrylic polyurethane with excellent graffiti and chemical resistance. E8480 displays excellent UV resistance, good application properties and is very low in VOC's.

Anti Graffiti Coatings Maintenance Guide

Introduction

A & I Coatings non sacrificial coating systems are engineered to provide excellent graffiti resistance and long term UV resistance while remaining safe, easy to apply and environmentally friendly.

A disciplined coating maintenance regime is very important and is directly related to achieving long lifespan and asset protection from your anti-graffiti coating system.

A & I Coatings sacrificial coatings systems are ideal for protecting surfaces that are at low risk of getting hit with graffiti on a regular basis. Maintenance of the sacrificial anti-graffiti coating simply involves reapplying the coating after 1-3 graffiti hit and removal cycles. The following maintenance information relates to the non-sacrificial coatings systems.

General

The maintenance procedure for your coating system should include the following:

1. Regular physical inspections looking for any coating damage and graffiti requiring removal (the sooner graffiti is noticed and action taken the easier it will be to remove)
2. Periodic cleaning of the painted surface to remove dust dirt and grime
3. Worn/damaged surface rectification

Graffiti Removal Procedure

1. Liberally apply by spray bottle, citrus based graffiti remover to the graffiti
2. Allow the graffiti remover approximately one minute to react with the graffiti before scrubbing the surface with a rag or scouring pad. For large areas a water blaster may be used to assist with graffiti removal
3. This process may need to be repeated more than once to completely remove the graffiti
4. Once the graffiti is completely removed wash the area with water to remove any graffiti remover residue
5. Dispose of rags and waste in accordance with local regulations

maintenance

quality control

Regular Cleaning of Painted Surfaces

1. Regular cleaning of the anti-graffiti coating is important to maintain the pristine appearance of your asset and prevent build ups of dust, dirt and grime.
2. Cleaning can be carried out using low pressure water blasting units or water and scrubbing apparatus along with a general industrial cleaning liquid if required to remove stubborn surface contaminants.
3. Due to the highly chemical resistant nature of A & I Coatings anti-graffiti non sacrificial coating systems, most coating cleaning agents available can be used, however we do recommend strong cleaning agents are tested in a small area first to ensure suitability.

Worn/damaged surface rectification

For both minor and major repairs it is best to make contact with your Enviroflon coating supplier to ensure the most suitable repair method is used, however a general repair guide is as follows.

1. If the coating is damaged mechanically in any way and has exposed the primer or substrate, then this localized area needs to be repaired by sanding back to the primer coat and reapplying the topcoat or if the substrate has been exposed reapplying the complete coating system
2. A & I Coatings anti-graffiti non sacrificial coating systems can typically withstand up to 12 graffiti hit and removal cycles after which time application of a maintenance coat may be necessary. In this case the anti-graffiti topcoat needs to be reapplied after the existing coating has been cleaned and abraded.

Envirochoice coating systems are designed to provide a long service life through being very resilient and functional. Proper cleaning and maintenance techniques will maximize the performance of your coating system, returning many years of service for your investment.

A & I Coatings are now fully certified to ISO 9001:2008.

This means that coatings from the Envirochoice, Vitrethane, and Vitreflon ranges can now be specified with complete confidence.

The certified system was built on procedures that we installed to guarantee consistency on broad area projects such as noise walls and tunnel linings.

Customer references verifying our past performance on such projects is available on request.



completed projects



completed projects



Campbelltown Noisewall

3000 square metres of precast concrete coat

Coating System

Primer and 1st coat - Water Based Acrylic System

2nd coat - E8480 @ 8m²/L



Aboriginal Health Service - Western Australia

130 square metres of artwork coated

Coating System

1st coat Water Based Acrylic Artwork

2nd coat E8480 @ 8m²/L



Corooy to Curra Bypass – QLD

Approximately 2500 square metres formed concrete coated

Coating System

1st coat E2100 @ 8m²/L

2nd and 3rd coat E8480 @ 8m²/L



Manningham Council – Melbourne

500 square metres of tilt slab coated

Coating System

1st coat Water Based Acrylic

2nd coat E8480 @ 8m²/L

Canberra Hospital Substation

200 square metres of tilt slab coated

Coating System

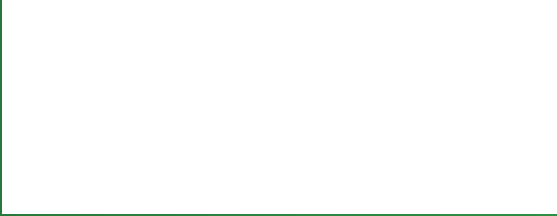
1st coat E8074 @ 8m²/L

2nd coat E8075 @ 8m²/L





Distributed by:



contact us

PO Box 820
Moss Vale NSW 2577

7 Lackey Road
Moss Vale NSW 2577

Australia **1800 819 585**
International **+61 2 4869 1441**
Fax **+61 2 4869 3031**
Email **helpdesk@aicoatings.com**

Web **www.aicoatings.com**