

Water Borne Two Pack Engineered Fluoropolymer Coating

ENVIROFLON 8480

PRODUCT DESCRIPTION: A & I Coatings ENVIROFLON 8480 is a unique, environmentally friendly two pack water borne fluoropolymer coating with excellent graffiti and chemical resistance. It has superior UV resistance and colour retention, good application properties and is very low in VOC's.

TYPICAL APPLICATIONS (Check your application with the A & I Coatings Technical team prior to use.)

Primarily used as a protective topcoat over many substrates. Typically:

- Masonry
- Laboratory bench tops.
- Structural and Decorative Steel
- Rail and road noise walls

TECHNICAL INFORMATION

Vehicle Type : Engineered Fluoropolymer
Hardener : Water dispersible Isocyanate
Mixing Ratio : 5:1 (Pack A: Pack B) by volume for solid colours, 6:1 (Pack A: Pack B) for metallic colours.
Pot life : 1½ Hrs @ 25°C.
Gloss Level : Full Gloss or Satin
Colour : Clear or pigmented to any colour, including metallic and micaceous iron oxide finishes.
 Minimum order quantities apply for metallic and MIOX finishes

Dry time (minimum) : Touch Dry 45 Mins @25°C
 Hard Dry 24 Hours @25°C, to achieve full Anti-graffiti properties allow 7 days curing.

Recoat time : Two coats can be applied wet on wet. A guide for flash off times is a follows:
Recoat Time (minimum) : 10°C 2 Hr 23°C 45 mins 40°C 20 mins

Primer Required : Yes.
Theoretical Coverage : 8m²/L at 50 microns (125 Microns WFT).
Volume Solids : 40%.
Recommended DFT : Minimum 50 microns dry film thickness (125 Microns WFT).
Usual no. of coats : 1 – 2 coats.
Flexibility : Very good.
Abrasion Resistance : Very good.
Chemical Resistance : Excellent to a wide range of chemicals.
Heat Resistance : 120°C (Dry Heat).
Solvent Resistance : Excellent.
Salt Spray Resistance : Good.
Thinning and cleaning : May be thinned with water up to 20% after Pack A & B have been mixed together thoroughly.
Durability : Excellent
Product weight : 1.1 - 1.4Kg/Litre dependant on colour.
VOC Content : 23grams/Litre (APAS D181).

MERITS:

1. Positive cure even at low temperatures.
2. Excellent graffiti and weather resistance.
3. Low VOC.
4. Excellent colour and gloss retention.

LIMITATIONS:

1. Not recommended for tank linings.
2. Not to be applied above 85% R.H.
3. Must be very thoroughly power stirred.
4. Not suitable for coating bricks
5. Short potlife at higher temperatures
6. Clear E8480 will moisture whiten when applied too heavy.

APPLICATION DATA

Mixing	: Pack A & B must be power stirred together thoroughly without causing an excess of foam, until liquid is consistent and lump free. We recommend a stirrer of at least 2000rpm.
Equipment	: Spray (by airless or air), brush or roller. (A & I Coatings technical staff can advise on the most appropriate equipment for a specific task. Trial sample area if in any doubt).
Cleaning	: Water
Typical Specification	: Concrete or masonry 1. Two coats Envirothane 2100 to colour. 2. Two coats Enviroflon 8480 Gloss or Satin.

SURFACE PREPARATION:

All surfaces to be structurally sound and free of contamination, particularly salt deposits. Loose or flaking paint must be removed by abrasive blast cleaning, power tool cleaning or sanding, to AS 1627. Oil, grease, dirt etc must be removed with detergent and water blasting or solvent cleaning to AS1627.1. Primers should be abraded as necessary.

Aluminium, Galvanised Steel and Zinalume

Remove oil and excess grease with mild detergent or with sugar soap. Slightly roughen the surface with the help of sanding or light whip blast coat with a non metallic abrasive. Apply suitable primer according to Specification.

Repaints

All surfaces should be free from oil, grease, loose paint and other contaminants. Though Enviroflon 8480 may give good adhesion, a test patch is always necessary before use.

Steel structures

Degrease the surfaces and remove all weld spatter and flux. Grind sharp edges and corners. For best results abrasive blast clean to specified/recommended AS 1627.1-9. Apply **A & I Coatings** specified primer depending on corrosive environment with a high solids epoxy as a barrier coat. Please consult **A & I Coatings** Technical team for particular specifications.

WORK STOPPAGES : Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with **A & I Coatings** recommended cleaner. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed units.

CLEAN UP : Clean all equipment after use with **A & I Coatings** recommended cleaner. It is good work practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, (including delays).

PACKING & STORAGE

Packing : Available in 18L packs. For availability of other sizes, contact **A & I Coatings**.

Storage : 12 months if stored in sealed containers away from heat & moisture. Subject to re-inspection thereafter.

HEALTH AND SAFETY: All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for Enviroflon 8480. Users should familiarize themselves with all the safety aspects of the product prior to use.

Please ensure the current Technical Data Sheet is consulted prior to specification or application of **A & I Coatings** products. If the surface intended to be painted differs from the specification, please consult the **A & I Coatings** Technical team on 1800 819 585.

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

Note: The figures quoted for pot life and drying/curing times are not definitive. They are dependent on site conditions, such as volume of material mixed, ambient and substrate temperatures, weather and ventilation.

DISCLAIMER

Since the use and application of this product is beyond our control we cannot be held responsible for product field performance. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty.

For additional information, phone our Customer Service Centre on 1800 819 585, or e-mail helpdesk@aicoatings.com

Visit our website for more products: www.aicoatings.com

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