

# ENVIROFLON 8480

## TECHNICAL DATA SHEET

Water Borne Two Pack Engineered Fluoropolymer



ENVIRO  
*choice*

A & I Coatings **ENVIROFLON 8480** is a unique, environmentally friendly two pack water borne fluoropolymer coating.

<b>USES &amp; BENEFITS</b>	Protective topcoat over many substrates. Typically:				
	• Masonry • Laboratory bench tops • Structural and Decorative Steel • Rail and road noise walls				
<b>PHYSICAL PROPERTIES</b>	Benefits				
	1. Positive cure even at low temperatures		5. Superior UV resistance and colour retention		
	2. Excellent graffiti and weather resistance		6. Good application properties		
	3. Low VOC 4. Excellent colour and gloss retention		7. Low in VOC's		
	4. Excellent graffiti and chemical resistance		8. Certification to APAS APS1441/1 is approved for Part A + Easy Mix Hardener.		
	Vehicle Type	Engineered Fluoropolymer			
	Hardener	Water dispersible Isocyanate			
	Mixing Ratio	5 : 1 (Part A : Part B) by Volume			
	Pot Life	1 1/2 Hrs @25°C			
	Finish	Satin & Gloss			
	Theoretical Coverage	8m <sup>2</sup> / Litre @ 50µm DFT			
	Volume Solids	40 ± 2 %			
	Recommended DFT	75µm – 100 DFT			
Usual No. of Coats	1 to 2				
Colour	Clear/ any colour, including metallic and micaceous iron oxide. Minimum order quantities apply for metallic and MIOX finishes				
Pigmentation	Various				
Product Weight	1.047Kg/Litre				
VOC Content	<50 g/L Part A + Standard Hardener <80 g/L Part A + Easy Mix Hardner				
<b>ENGINEERING DATA</b>	Abrasion Resistance	Very Good			
	Flexibility	Very Good			
	Dry Heat Resistance	120°C			
	Chemical Resistance	Excellent to a wide range of chemicals			
	Solvent Resistance	Excellent			
	Salt Spray Resistance	Good			
	Durability	Excellent NB It is best to overcoat E8480 orange and reds with E8480 Clear for maximum durability			
<b>CURING DATA</b>	Substrate Temp.(°C)	Surface Dry	Hard Dry	Full Cure	Recoat Min
	10°C				2 Hrs
	25°C	45 Mins	24 Hrs	7 Days	45 Mins
	40°C				20 Mins

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<b>APPLICATION DATA</b>	Mixing	Pack A & B must be power stirred together thoroughly without generating excess foam, until liquid is consistent and lump free. We recommend a stirrer of at least 2000rpm.
	Application	Roller and brush.
	Cleaning	Water
	Thinning	Thin with 10% water and mix thoroughly.
	Typical Specification	Concrete or masonry: 1. Two coats Envirothane 2100 to colour 2. Two coats Enviroflon 8480 Gloss or Satin
<b>SURFACE PREPARATION</b>	All Surfaces	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 & Zincalume	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	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 specifications.
<b>WORK STOPPAGES</b>	General	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 commences 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).

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<b>PACKING &amp; STORAGE</b>	Packing	Available in 18L kits. For availability of other sizes, contact A & I Coatings.
	Storage	12 months if stored in sealed containers away from heat and moisture. Subject to re- inspection thereafter.
<b>HEALTH &amp; SAFETY</b>	All applicable statutory regulations must be observed in the application of this product. Users must first read the Safety Data Sheet for E8480. Users should familiarize themselves with all the safety aspects of the product prior to usage	

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 onsite 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.