

# ENVIROSET SF CLEAR

## TECHNICAL DATA SHEET

Two Pack Solvent Free Epoxy/Acrylic Hybrid Seal Coat.  
Reduced Carbon Footprint



**A&I**  
**COATINGS**

**ENVIRO**  
*choice*

A & I Coatings ENVIROSET SF Clear is a clear two pack, solvent free, 100% solids epoxy/acrylic hybrid with excellent surface hardness and adhesion. It has outstanding UV resistance for behind glass internal applications.

<b>USES &amp; BENEFITS</b>	<ul style="list-style-type: none"> <li>• Protection &amp; enhancement of polished or ground concrete</li> <li>• Clear sealer over vinyl flake flooring</li> <li>• Clear coating over coloured aggregates</li> </ul>	
	<b>Benefits</b> <ol style="list-style-type: none"> <li>1. Clear solvent free option 1. for seal coat</li> <li>2. Exceptionally hard wearing</li> <li>3. Contains UV blockers</li> <li>4. Low viscosity</li> <li>5. Excellent levelling capacity</li> <li>6. Simple mix ratio</li> <li>7. Highly UV resistant</li> <li>8. Cost effective</li> <li>9. Shrink free</li> <li>10. Manufactured from biofuel products delivering 17% reduction in fossil fuel consumption.</li> </ol>	<b>Limitations</b> <ol style="list-style-type: none"> <li>1. Amine bloom may occur if humidity is above 80%.</li> <li>2. Minimum surface temperature should be at least 3 °C above dew point at time of application and initial cure.</li> <li>3. For use in internal, behind glass applications.</li> </ol>
<b>PHYSICAL PROPERTIES</b>	Vehicle Type	Epoxy/Acrylic hybrid
	Mixing Ratio	2:1(Part A : Part B) by Volume
	Pot Life	Approx. 20min at 25°C)
	Finish	Gloss
	Theoretical Coverage	6-8m <sup>2</sup> litre/coat
	Volume Solids	100%
	Colour	Clear
	Usual No. of Coats	1-2
	Mixed Product Weight	1.05 Kg/Litre
<b>ENGINEERING DATA</b>	Shore D hardness	50
	Abrasion Resistance Taber (1000 cycles 1 kilo weight clear coating)	
	CS-17 µm loss	39
	H22 µm loss	168
	Compressive strength MPa	50
	Tensile strength MPa	44
Elongation %	18	

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	Application temperature	5°C - 30°C			
	Tg DSC °C Ultimate	48°C (typical)			
	VOC content	< 30 grams / litre			
<b>CURING DATA</b>	Substrate Temp.(°C)	Foot Traffic	Vehicular Traffic	Full Cure	Recoat Time min
	21°C	24 Hours	72 Hours	7 Days	12 Hrs
	No water or condensation should contact the coating for 5 days from installation.				
<b>APPLICATION DATA</b>	Mixing	Blend Pack A with Pack B to correct ratio. Power stir thoroughly for at least two minutes prior to use. Only mix required amount and use within the stated pot life. Ensure Pack A is well mixed before splitting to ensure distribution of UV blockers/absorbers.			
	Application	Brush and Roller.			
	Ambient Temperature	Apply between 8-35°C			
	Cleaning	Use Xylene or Acetone for clean up.			
<b>SURFACE PREPARATION</b>	Concrete	Allow new concrete to cure for minimum 28 days prior to coating. 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). Substrates must be mechanically treated by abrasive blasting or grinding to achieve a clean anchor pattern for best adhesion. Oily surfaces must be detergent cleaned and water blasted. Please note that moisture content in the concrete must be no greater than 4% pbw prior to application of the Enviroset SF Clear. Ensure no rising moisture will occur in concrete by means of an effective subgrade damp proof membrane. Concrete to be min 25Mpa compressive strength and 1.5Mpa pull off strength			
<b>PACKING &amp; STORAGE</b>	Packing	30L kits 20L Part A, 10Litres Hardener B			
	Storage	12 months if stored in sealed containers away from heat and Moisture. Subject to re-inspection thereafter. Store at ambient temperatures.			
<b>HEALTH &amp; SAFETY</b>	All applicable statutory regulations must be observed in the application of this product. Users must first read Safety Data Sheets for Enviroset FC. 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-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