

ENVIROSET 4110 – Tint Pack System

TECHNICAL DATA SHEET

Two Pack Pigmented Solvent Free Epoxy Coating



A & I Coatings ENVIROSET 4110 is a two-pack pigmented, solvent free, 100% solids epoxy with excellent surface hardness and adhesion. ENVIROSET 4110 exhibits high water resistance, chemical and oil resistance with the ability to build virtually unlimited film thickness.

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| USES & BENEFITS | <ul style="list-style-type: none"> • Concrete protection • Steel in extreme environments • Floor Coatings • Repaints/ maintenance • Joint repair • Wear resistant coating | |
| | Benefits <ol style="list-style-type: none"> 1. It can be used as an intermediate coat and, for a subsequent topcoat for A & I Coatings high performance coating system. 2. Exceptionally hard wearing. 3. Exceptional filling characteristics when mixed with sand. | Limitations <ol style="list-style-type: none"> 1. This product will chalk when continuously exposed to sunlight. This chalking in no way impairs the performance of the coating. 2. Not to be applied on thermoplastic coating. |
| PHYSICAL PROPERTIES | Vehicle Type | Epoxy |
| | Hardener | Amine |
| | Ratio | 6.5:1(Part A: tint pack), 3:1(Part A : Part B) by Volume |
| | Pot Life | Approx 1 hour@25°C. Must be stirred thoroughly without being over stirred |
| | Finish | Gloss |
| | Theoretical Coverage | 4-6m ² per litre @160-250µmDFT (160-250µmWFT) |
| | Volume Solids | 100% |
| | Recommended DFT | 150-300µm/coat. Dependent on application |
| | Usual No. of Coats | 1-2 (dependent on substrate) |
| | Colour | Light grey and pastel colours |
| | Pigmentation | Titanium dioxide and other pigments |
| | Primer Required | Dependant on substrate. Contact A & I Coatings technical team for specifications |
| | Product Weight | 1.34Kg/Litre |
| ENGINEERING DATA | Abrasion Resistance | Very good |
| | Chemical Resistance | Resistant to a wide range of acids and alkalis, vegetable and mineral oils. Not resistant to strong oxidising acids, phenols or amines. |
| | Dry Heat Resistance | Up to 120°C |
| | Solvent Resistance | Excellent for many solvents |
| | Durability | Excellent, but will chalk under UV exposure without damage to the integrity of the coating |

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| CURING DATA | Substrate Temp.(°C) | Touch Dry | Light foot traffic | Tack Dry | Full Cure | Recoat Min |
|---------------------|---------------------|---|--------------------|----------|-----------|------------|
| | | 25°C | 6 hours | 24 hours | 16 hours | 6 days |
| APPLICATION DATA | Mixing | <p>Add the required colour Tint Pack to Pack A (6.5 parts Pack A to 1 part Tint Pack) and mix thoroughly until the colour is completely homogeneous. Blend the coloured Pack A with Pack B (3 parts Pack A to 1 part Pack B). Power stir thoroughly for one to two minutes prior to use. Only mix required amount and use within the stated pot life. Allow to stand for 10 minutes in cooler weather.</p> <p>If using as an epoxy mortar mix up to 4 parts sand to 1 part epoxy. For self levelling application mix up to 2 parts mixed epoxy to 1 part sand.</p> | | | | |
| | Cleaning | Use V105 | | | | |
| | Equipment | Airless spray, brush or roller. Trowel when used as a mortar | | | | |
| | Thinning | V114 Thinners | | | | |
| SURFACE PREPARATION | Concrete | <p>New concrete should be allowed to cure for 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.). Smooth or contaminated surfaces 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. In some instances, acid etch and water blasting may be adequate to form a 'key' for sufficient adhesion.</p> <p>We would recommend the concrete be primed with ENVIROSET 4001 prior to the application of the ENVIROSET 4110 dependent on condition. Please note that moisture content in the concrete must be no greater than 4% prior to application of the E4110. Ensure no hydrostatic pressure present.</p> | | | | |
| WORK STOPPAGES | General | <p>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.</p> | | | | |
| | Clean Up | <p>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).</p> | | | | |

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| PACKING & STORAGE | Packing | Available in 10L packs. For other sizes, contact A & I Coatings |
| | Storage | 12 months if stored in sealed containers away from heat and moisture above 100C. Subject to re-inspection thereafter. |
| HEALTH & SAFETY | <p>All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for ENVIROSET 4110. Users should familiarise themselves with all the safety aspects of the product prior to use.</p> <p>Please ensure the current Technical Data Sheet is consulted prior to specification or application of A & I Coatings products. A & I Coatings will in many instances provide Area Specific Instruction Sheets which contain detailed instructions on how to achieve desired results for specific areas. If the surface intended to be painted differs from the specification, please consult the A & I Coatings Technical team on 1800 819 585.</p> | |

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