

SELECTION & SPECIFICATION DATA

Generic Type	Epoxy resin
Description	A high-performance, multi-purpose flooring epoxy coating that is easy to apply. It's ideal for use in many flooring environments such as workshops, warehouses, factories, washrooms etc. Available in a variety of standard colours.
Features	<ul style="list-style-type: none"> • Self-priming on suitably prepared concrete, or over suitably primed surfaces • Low odour • Low viscosity • Low VOC / High solids • Solvent-free • Can be top coated with Carbothane 133 LH or E~Line® series - Refer to Technical Services for further advice • Resistant to hydraulic fluids and Skydrol once fully cured • Tested to AS 4586:2013, Slip resistance classification of new pedestrian surface materials - Refer Certification section for more information.
Colour	Light Grey, Blue Grey, Safety Green, Light Buff
Finish	Gloss
Primer	Self-priming or Altra~Floor Primer where required
Film Build	100 - 200 microns dry
Solid(s) Content	By weight 100%
Theoretical Coverage Rates	<p>10 m²/L at 100 microns dry 5 m²/L at 200 microns dry</p> <p>Allow for loss in mixing and application.</p>
VOC Values	As Supplied : 36 g/L
Limitations	<ul style="list-style-type: none"> • Exterior exposure will cause early loss of sheen, possible discolouration, and chalking. However, this will not affect the protective properties of the coating. • Temperatures should not fall below 5°C in the 24 hours after application.
Topcoats	Carbothane 133 LH and Altex E~Line series

SUBSTRATES & SURFACE PREPARATION

General	<p>All surfaces must be sound and free of oil, grease, dirt, loose and flaking paint, moisture, and other foreign substances prior to application.</p> <p>Clean and/or degrease with a suitable non-ionic detergent (such as Altex P40 Cleaner).</p>
Concrete	<p>Concrete should be fully cured for 28 days at 21°C and 50% RH or equivalent.</p> <p>Surfaces must be clean and dry. Track blast, sweep abrasive blast or diamond grind to remove all laitance and abrade substrate ensuring to achieve a finish similar in texture to ICRI CSP 3-5 (Use appropriate CSP level based on the applied system).</p> <p>Ensure all surfaces are free of all contaminants and form release agents.</p>

Altra~Floor EF

PRODUCT DATA SHEET



MIXING & THINNING

Mixing	Stir the two components to obtain a smooth, homogeneous condition using a power stirrer. After mixing the base portion, add the converter slowly with continued agitation taking care not to entrain air.
Thinning	Thinning may be required. Thin up to 5% with Altex Thinning Solvent #10
Ratio	1.63:1 by volume (Part A : Part B) Or, 2.27:1 by weight (Part A : Part B) 5 litre kit: Part A - 3.1 litres Part B - 1.9 litres
Pot Life	20 minutes at 20°C At higher temperatures (or if left in bucket) the pot life time is reduced.

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

Brush & Roller (General)	Roller application is preferred for large areas; care must be taken to ensure the correct film build is applied. Use a medium or long-nap synthetic roller cover with phenolic core. Brush application for small areas, touch ups and edges only.
Squeegee	Consult Technical Services

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	10°C (50°F)	10°C (50°F)	10°C (50°F)	0%
Maximum	35°C (95°F)	35°C (95°F)	35°C (95°F)	85%
Optimum	20°C (68°F)	20°C (68°F)	20°C (68°F)	50%

The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.

Wind or strong airflow may cause quick curing and drying of the system. Ensure wind or strong airflow is eliminated during application, however adequate safety ventilation should still be followed.

CURING SCHEDULE

Surface Temp.	Dry to Recoat Minimum	Dry to Recoat Maximum	Dry to Foot Traffic	Dry to Vehicular Traffic	Final Cure
20°C (68°F)	8 Hours	24 Hours	24 Hours	72 Hours	7 Days

Curing schedule based on 100 – 200 microns DFT.

Full chemical resistance is achieved after 5-7 days. Do not cover or wash within the first 36 hours of curing.

Higher film thickness, insufficient ventilation or cooler temperatures will require longer cure times and could result in solvent entrapment and premature failure. Excessive humidity or condensation on the surface during curing may result in a surface haze. Any haze or blush must be removed by water washing before recoating.

CLEANUP & SAFETY

Cleanup	Use Altex Thinning Solvent #10 or #76
Safety	For industrial use only: Read and follow all the caution statements on this Product Data Sheet, the product label, and the Safety Data Sheet (SDS) for health and safety information prior to use.
Ventilation	When used in enclosed areas and product is thinned, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapour concentration from reaching the lower explosion limit for the solvents used. User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure or if not able to monitor levels, use suitable approved respirator.

TESTING / CERTIFICATION / LISTING

Australian Standards	<p>Altra~Floor EF has been tested in accordance with AS 4586:2013, Appendix A – Wet Pendulum Test at Sliptest Australia.</p> <p>Results: Altra~Floor EF (unmodified) – P1 <i>Report Number: MO011123-9</i></p> <p>Altra~Floor EF with Altex Non-Skid Particles – P5 (approx. 50-75g/m² of Non-Skid Particles broadcasted onto wet base coat) <i>Report Number: MO011123-10</i></p> <p>A sample panel should be produced by the applicator to ensure that the required finish and slip ratings can be achieved by the specific application techniques to be used.</p>
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PACKAGING, HANDLING & STORAGE

Shelf Life	<p>Part A: 48 months at 24°C Part B: 24 months at 24°C</p> <p>Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers. For products/components exceeding the stated shelf life, contact Technical Services for further advice.</p>
Storage Temperature & Humidity	Optimum: 5-35°C
Shipping Weight (Approximate)	<p>1.1 kg per litre 5 litre kit – 5.5 kg</p>
Storage	Store under cool, dry conditions and should be protected from frost, weather, moisture, direct sunlight, and contamination ingress.

Altra~Floor EF

PRODUCT DATA SHEET



WARRANTY

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