

SELECTION & SPECIFICATION DATA

Generic Type	Aliphatic acrylic polyurethane
Description	Fast-curing, clear concrete primer designed to preserve the natural appearance of concrete surfaces. To be used as a basecoat under Carbothane 130 Clear Coat where anti-graffiti protection and a natural concrete appearance are required. Can be used as a concrete primer under E~Line 379 where coloured finishes are desired. Engineered for durability and performance, it is highly suitable for infrastructure applications including concrete motorway barriers, sound barriers, bridges, and overpasses.
Features	• Preserves the natural dry look of the concrete substrate • High clarity clear coat • Fast dry to recoat times • Easy to apply
Colour	Clear
Finish	Satin Higher film builds will increase gloss level
Dry Film Thickness	50 - 75 microns
Solids Content	By volume 40% +/- 2%
Theoretical Coverage Rate	8 m ² per litre at 50 microns dry 5.3 m ² per litre at 75 microns dry Allow for loss in mixing and application. Substrate porosity and surface irregularities will influence achievable coverage rates.
VOC Values	As Supplied : 546 g/L
Dry Temp. Resistance	Continuous: 93°C Non-continuous: 121°C

SUBSTRATES & SURFACE PREPARATION

General	Employ adequate methods to remove all dirt, dust, salts, oil, grease, and all other soluble contamination that could interfere with the adhesion of the coating.
Previously Painted Surfaces	Consult Technical Services Department for information.
Concrete and CMU	Ensure all surfaces are clean, dry and free of all contaminants and form release agents.

MIXING & THINNING

Mixing	Power mix Part A separately, then combine with Part B and power mix until fully combined. DO NOT MIX PARTIAL KITS.
Thinning	Not normally required. May be thinned using the following: • Spray: Up to 5% by volume with Altex Thinning Solvent #25 • Brush and roller: Up to 5% by volume with Altex Thinning Solvent #22 Note: Excessive thinning can cause low film thickness, sagging and other film defects. Use of thinners other than those supplied or recommended by Altex Coatings may adversely affect product performance and void product warranty, whether expressed or implied.
Ratio	4:1 by volume (Part A to Part B)

E~Line 15 Concrete Clear Primer

PRODUCT DATA SHEET



MIXING & THINNING

Pot Life	4 hours at 24°C and less at higher temperatures. Pot life ends when coating becomes too viscous to use. MOISTURE CONTAMINATION WILL SHORTEN POT LIFE AND CAUSE GELLATION
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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.

Spray Application (General)	Wet film thickness is easily and quickly achieved. The following spray equipment has been found to be suitable and is available from manufacturers such as Graco and Devilbiss.
Conventional Spray	Pressure pot equipped with dual regulators, 9.5mm (3/8") I.D minimum material hose, 1.2mm to 1.8mm fluid tip with appropriate air cap.
Airless Spray	Not normally applied using airless spray gun Pump Ratio: 30:1 (min)* Output: 10 litres per minute (min) Material Hose: 9mm (3/8") I.D (min) Tip Size: 0.013 - 0.017" Output PSI: 2100 - 2400 Filter Size: 60 mesh *Teflon packings are recommended and available from the pump manufacturer (Note: The above is a guide. Other equivalent equipment to the above may be used.)
Brush & Roller (General)	Multiple coats may be required to obtain desired appearance and recommended dry film thickness. Avoid excessive re-brushing or re-rolling. For best results, tie-in within 10 minutes at 24°C
Brush	Recommended for touch up only. Use a medium, natural bristle brush.
Roller	Use a short nap mohair roller cover with a solvent phenolic core.

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	10°C	5°C	7°C	0%
Maximum	32°C	32°C	32°C	80%

Industry standards are for substrate temperatures to be maintained at a minimum of 3°C above the measured dew point, prior to and during coating application. **Caution:** This product is moisture sensitive in the liquid stage and until fully cured. Protect from high humidity, dew and direct moisture contact until fully cured. Application and/or curing in humidities above maximum, or exposure to moisture from rain and dew may result in loss of gloss and/or microbubbling of the product.

CURING SCHEDULE

Surface Temp.	Dry to Handle	Dry to Recoat Minimum	Dry to Touch
10°C	6½ Hours	6 Hours	90 Minutes
15°C	4½ Hours	4 Hours	60 Minutes
24°C	2 Hours	2 Hours	30 Minutes
30°C	90 Minutes	90 Minutes	15 Minutes

Curing schedule based on 50 microns DFT and 50% relative humidity.

Higher film thickness, insufficient ventilation or cooler temperatures will require longer cure times and could result in solvent entrapment and premature failure.

CLEANUP & SAFETY

Cleanup	Use Altex Thinning Solvent #2 or acetone. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
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	Contains iso-cyanate. When sprayed may be harmful by inhalation - do not breathe vapour or spray. Wear suitable clothing, gloves, eye and face protection, including suitable breathing protection such as an air supplied respirator or hood. When used in enclosed areas, 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 able to monitor levels, use suitable approved air-fed respirator.
Caution	This product contains flammable solvents. Keep away from sparks and open flames.

PACKAGING, HANDLING & STORAGE

Shelf Life	Part A: 36 months at 24°C Part B: 12 months at 24°C 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.
Packaging	5 litre kit
Shipping Weight (Approximate)	5L kit – 5.3 kg
Storage Temperature & Humidity	4°-43°C 0-80% Relative Humidity
Flash Point (Setaflash)	Mixed: 34°C
Storage	Store under cool, dry conditions.

WARRANTY

DISCLAIMER

The information in this datasheet is provided as a guide only and is provided without warranty, implied or otherwise. It is your responsibility to determine the suitability of any information or product for the use contemplated. Conditions of use, application and the substrate are beyond our control so no liability whatsoever (whether as to coverage, performance, injury or otherwise) is accepted for the information contained herein.

Data sheets may change from time to time and it is your responsibility to ensure you have the latest product datasheet and material safety data sheet from your supplier. Check the data sheet date with the listings at www.altexcoatings.com Altex Terms and Conditions of Trade, available at www.altexcoatings.com, apply in respect of all coating products and materials supplied, including samples.