

FEATURES

Advantages:

- Exceptional gloss retention
- Excellent colour retention
- Outstanding cosmetic properties
- Outstanding chemical resistance – *colour pigments may be affected to varying degrees. NOTE: This high degree of chemical resistance dictates the need for careful observation of recoat times and / or intercoat preparation where multiple coats are applied. Refer to “Dry Time – maximum Recoat”*
- Light colours and clear may be used as anti-graffiti coatings due to their excellent solvent resistance - refer also to Altex Graffiti Remover and Easy-Clean SX Additive
- Outstanding abrasion resistance
- Excellent durability due to high flexibility and toughness
- Exceptional tolerance to marginal application conditions
- Exceptional retention of cosmetic properties due to high UV resistance
- High volume solids - Low VOC

Limitations of Use (see opposite also):

- Colour may change as temperature approaches 121°C, but the film will remain intact
- E~Line 379[®] is available in a wide range of colours with varying degrees of opacity. White and pastel shades will generally yield full colour coatings after applying one or two coats at the recommended thickness.

RECOMMENDED USES

E~Line 379[®] is a high gloss, high performance, two component, chemically cured aliphatic urethane designed for use in areas where maximum gloss and colour retention are required.

E~Line 379[®] will provide excellent gloss and colour retention as well as resistance to moderate to severe corrosive environments for:

- Transportation industry
- Chemical processing industry
- Pulp and paper industry
- Dairy industry
- Bridges and storage tanks
- As an anti-graffiti coating

E~Line 379[®] is recommended for use on suitably primed steel, aluminium, masonry or fibreglass.

Approvals:

- MAF - Meat, Game & Fish Division
- MAF - Dairy Division

Limitations of Use (continued):

- Application of multi coats of deep tone colours requires careful observation of minimum and maximum recoat times – coat to coat – and may also require light sanding between coats

Deep tone shades are invariably based on transparent or semi-transparent pigments – such colours will require careful selection of the correct undercoat tone (Haze Grey serves this purpose well) and will often require several separate discrete coats before full colour opacity is achieved.

SPECIFICATION DATA

Coating Type:	Acrylic Urethane (New Technology Polymer)
Colours:	Standard Altex Colours, 844 Colours, most BS Shades and Clear
Packaging:	1.25, 5 and 10 litre Two-component kits
Mix Ratio:	4 to 1 by volume
Gloss:	High
Flash Point:	24°C Setflash
Thinner:	No.5 Thinner
Pot Life (at 25°C):	Unthinned - 3 hours 5% Thinning - 6 hours
Induction Time:	15 minutes at 25°C
Storage:	Store under cool, dry conditions

Density:	1.27 kg per mixed litre		
VOC (EPA 24):	370 grams per litre		
Temperature Resistance:	121°C dry		
Volume Solids (Mixed):	60%		
Theoretical Coverage:	12 m ² /Lt at 50 µm DFT		
Recommended Film Thickness:	83 - 125 µm wet to obtain 50 - 75 µm dry.		
Application:	Airless spray, Air Spray, Brush or Roller		
Dry Times (50 µm DFT / 50% RH):			
	5°C	15°C	25°C
Touch Dry	10Hr	6Hr	3Hr
Hard Dry	20Hr	12Hr	6Hr
Self Recoat	12-24Hr	8-24Hr	4-24Hr
Maximum	24Hours		

Note: If recoating is required after more than 24Hours, the surface should be matted using fine grade (approx 320grit) sand paper, wet-and-dry or Scotchbrite[®] pad. DO NOT sand using lubricated (stearate coated etc) paper.

SURFACE PREPARATION

All surfaces must be clean, dry and free of oil, grease, moisture, form release agents, curing compounds, laitance and other foreign matter. To ensure the best appearance the primer or undercoat should be smooth and free of any defects such as runs, dry spray or heavy orange peel.

New Surfaces:

Steel: Clean and prime. Suitable primers are Devran 201[®], Devran 223[®], Catha-Coat 302[®], Altra~Prime 504-50[®], Altra~Zinc 605[®] and Altra~Shield 2000[®].

Concrete Floors: Cure at least 28 days. Acid etch or sweep abrasive blast to remove laitance. Seal with Pre-Prime 167.

Previously Painted Surfaces:

Remove loose and peeling paint. Scuff sand glossy areas. Test compatibility of old by application of a test patch. If they lift, remove them. Prime bare areas with one of the primers specified under **New Surfaces**

DIRECTIONS FOR USE

Mixing:

E~Line 379[®] is a two component product supplied in 1.25, 5 and 10 litre kits which contain the correct ratio of ingredients. The entire contents of each container must be mixed together. Mix the base portion to obtain a smooth homogeneous condition. After mixing the base portion, slowly add the converter with continued agitation. After the converter addition is complete, allow 15 minutes induction time prior to application.

The pot life of the mixed material at 25°C is 3 hours (unthinned), 6 hours (5% thinning). Higher temperatures will reduce the working life of the coating; lower temperatures will increase it.

Thinning:

Thinning may be required. Thin up to 20% with Altex No.5 Thinner added to the mixed components.

Clean-up:

Use No.5 Thinner.

Application:

E~Line 379[®] may be applied by air or airless spray. Brushing may be used for touch up or striping.

Suggested spray equipment is:

Air Spray *Graco* - Delta Air spray gun, 2.2mm (0.086") or 1.8mm (0.070") set up
DeVilbiss - JGA gun, E or D Fluid Nozzle, 80 Air Nozzle.

Airless Spray 30:1 (or larger) pump; 0.015-0.019" tip; 10 mm ID fluid hoses not exceeding 12 meters in length

(Note: Other equipment equivalent to the above may be used.)

Ensure all equipment and lines are clean and moisture free. Do not apply over wet surfaces or under very humid conditions where condensation or fog could settle on the coating during the curing process.

PRECAUTIONS

For industrial use only. See the Altex Coatings Limited General Safety Data Sheet, product label and Material Safety Data Sheet (MSDS) for health and safety information prior to use.

E~Line 379[®] contains isocyanate. When sprayed may be harmful by inhalation - do not breath vapour or spray. Wear suitable clothing, gloves, eye and face protection, including suitable breathing protection such as an air supplied respirator or hood

E~Line 379[®] is flammable. Keep away from heat, sparks and open flame. Use with adequate ventilation. May cause eye and skin irritation. Do not breathe vapour or spray. Wear suitable protective clothing such as gloves and eye and face protection.

ALTEX COATINGS LIMITED

Head Office New Zealand	Head Office Australia	DISCLAIMER
91-111 Oropi Road Greerton, Tauranga PO Box 142 Tauranga Mail Centre Phone: +64 7 5411 221 Fax: +64 7 5411 310 www.altexcoatings.co.nz	7 Production Avenue Ernest Junction Queensland 4214 Australia Phone: +61 7 5594 9522 Fax: +61 7 5594 9093 www.altexcoatings.com.au	This is not a specification and all of the information is given in good faith. Since conditions of use are beyond the control of the manufacturer, information contained herein is without warranty, implied or otherwise., and final determination of the suitability of any information or material for the use contemplated, the manner of use and whether there is any infringement of patents is the sole responsibility of the user. The manufacturer does not assume any liability in connection with the use of the product relative to coverage, performance or injury. For application in special conditions, consult the manufacturer for detailed recommendations.