

FEATURES

Advantages:

- Exceptional gloss retention
- Good colour retention
- Outstanding chemical resistance
- Outstanding abrasion resistance
- High volume solids
- High build
- Low VOC
- Excellent low temperature cure

Limitations of Use:

- Colour may change as temperature approaches 121 °C, however the film will remain intact
- E~Line® 359 Clear is unable to be applied by airless and air assisted spray application

Approvals:

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

RECOMMENDED USES

E~Line® 359 HS is a high build, high performance, two component, chemically cured aliphatic urethane designed for use in areas where maximum gloss and colour retention are required.

E~Line® 359 HS will provide excellent gloss and colour retention as well as resistance to moderate & severe corrosive environments for:

- Transportation industry
- Chemical processing industry
- Pulp and paper industry
- Bridges and storage tanks

E~Line® 359 HS is recommended for use on suitably primed steel, aluminium, masonry or fibreglass.

May be applied direct to suitably prepared galvanising.

SPECIFICATION DATA

Coating Type:	Aliphatic Acrylic Urethane
Colour:	White and Light Pastel Colours
Packaging:	5 litre (made to order)
Mix Ratio:	4:1 by volume
Gloss:	Gloss:
Flash Point:	24 °C Setaflash
Thinner:	No 5 Thinner
Pot Life:	4 hours
Induction Time:	15 minutes at 25 °C
Shelf Life:	Store under cool dry conditions

Density:	1.68 kg per litre
VOC:	279 g per litre
Temperature Resistance:	121 °C dry
Volume solids (mixed):	70 %
Theoretical Coverage Rate:	5.6 sq. metres per litre at 125 microns dry
Recommended Film Thickness Per Coat:	107-179 microns wet to obtain 75-125microns dry
Application:	Spray, Brush or Roller
Dry Times (125µm DFT / 50% RH):	
Recoat – minimum:	5°C 15°C 25°C 30°C
Touch Dry	12 hrs 6 hrs 3 hrs 2 hrs
Hard Dry	24 hrs 12 hrs 6 hrs 4 hrs
Self	12 hrs 6 hrs 4 hrs 4 hrs
Recoat – maximum:	5°C 15°C 25°C 30°C
Self	72 hrs 72 hrs 72 hrs 48 hrs

SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from contamination. Oil or grease should be removed in accordance with AS1627.1 solvent cleaning. Surface defects revealed by the preparation process, should be ground, filled, or treated in the appropriate manner. Clean to remove all grit dust and debris and ensure the surface is dry.

Suitable Primers:

E-Line® 359 HS is designed to be applied to suitably prepared surfaces primed with one of the following compatible primers.

Mild Steel:

Altra-Build®, Altra-Etch®, Altra-Prime®, Altra-Shield®
Altra-Zinc®

Aluminium and Galvanising:

Altra-Bond®, Altra-Etch®, Altra-Prime®, Altra-Shield®

Timber:

Altra-Build®, Altra-Etch®, Altra-Prime®, Altra-Shield®,
Everseal, Altra-Lock®

GRP/ Epoxy Laminate:

Altra-Build®, Altra-Etch®, Altra-Prime®, Altra-Shield®

Concrete:

Altra-Build®, Altra-Etch®, Altra-Prime®,
Altra-Shield®, Altra-Lock.

DIRECTIONS FOR USE

Mixing:

E-Line® 359 HS is a two component product supplied in 5 litre kits, which contain the correct ratio of ingredients.

Power mix the base portion first to obtain a smooth homogeneous condition. After mixing the base portion, slowly add the converter whilst continuing to agitate at slow speed. After addition of the converter is complete, continue to mix slowly until homogeneous.

Higher temperatures will reduce the working life of the coating; lower temperatures will increase it.

Thinning:

Thinning maybe required to assist application. Any solvent addition should be made after the two components are thoroughly mixed. Excessive thinning can cause low film thickness and coating defects.

Clean-up:

Use No 5 Thinner

Application:

Application by either conventional air spray or airless spray equipment is the preferred method. For touch-up and repair to small areas, apply E-Line® 359 HS with the brushing/ rolling converter. E-Line® 359 HS Clear is unable to be applied by airless and air assisted airless spray equipment. Suggested spray equipment is:

Air Spray	Graco - Delta Air spray gun, 2.2mm (0.086") set up. DeVilbiss - JGA gun, E or D Fluid Nozzle, 80 Air Nozzle.
Airless Spray	30:1 (or larger) pump; 0.021-0.025" tip, with 10 mm ID fluid hoses not exceeding 12 meters in length.

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

Additional coats maybe required to achieve the desired opacity and depth of colour, depending on the colour selected.

Safety:

E-Line® 359 HS contains Isocyanate and when sprayed may be harmful by inhalation - do not breath vapour or spray. Wear suitable clothing, gloves, and eye and face protection; including a suitable air supplied respirator or hood.

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® HS 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
<p>91-111 Oropi Road Greerton, Tauranga PO Box 142 Tauranga Mail Centre</p> <p>Phone: +64 7 5411 221 Fax: +64 7 5411 310 www.altexcoatings.co.nz</p>	<p>7 Production Avenue Ernest Junction Queensland 4214 Australia</p> <p>Phone: +61 7 5594-9522 Fax: +61 7 5594-9093 www.altexcoatings.com.au</p>	<p>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.</p>