

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, but the film will remain intact

Approvals:

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

RECOMMENDED USES

E~Line 359HS[®] 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 359HS[®] 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 359HS[®] 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
Colours:	White and light Pastel Colours
Packaging:	5 litre Two-component kits
Mix Ratio:	4 to 1 by volume
Gloss:	Gloss
Flash Point:	24°C Setflash
Thinner:	K200 or No.5 Thinner
Pot Life:	4 hours at 25°C
Induction Time:	15 minutes at 25°C
Storage:	Store under cool, dry conditions

Density:	1.68 kg per mixed litre
VOC (EPA 24):	279 grams per litre
Temperature Resistance:	121°C dry
Volume Solids (Mixed):	70%
Theoretical Coverage:	5.6 square metres per litre at 125 µm DFT
Recommended Film Thickness:	107-179 µm wet to obtain 75-125 µm dry.
Application:	Airless spray, Air Spray, Brush or Roller
Dry Times (at 25°C / 125 µm DFT / 50% RH):	
Touch Dry	- 3 hours
Hard Dry	- 6 hours
Minimum Recoat Time	- 4 hours
Maximum Recoat Time	- 72 hours

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 Altra~Prime 504-50[®], Altra~Zinc 605[®], Altra~Shield 2000[®], Catha-Coat 302[®], and Devran 201[®]

Concrete Floors: Cure at least 28 days. Acid etch or sweep abrasive blast to remove laitance. Seal with Pre-Prime 167 or Pre-Prime 168LTC.

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 359HS[®] is a two component product supplied in 5 litre kits which contain the correct ratio of ingredients. The entire contents of each container must be mixed together. Stir the base portion to obtain a smooth homogeneous condition. After mixing the base portion, slowly add the converter whilst continuing to agitate at slow speed. After the converter addition is complete continue to mix slowly until homogeneous. Allow 15 minutes induction time prior to application.

The pot life of the mixed material is 4 hours at 25°C. 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 K200 or No.5 Thinner added to the mixed components.

Clean-Up:

Use K200 or Thinner No.5

Application:

E-Line 359HS[®] 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") 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; 10 mm ID fluid hoses not exceeding 12 meters in length

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

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 359HS[®] 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 359HS[®] 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

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