

**FEATURES**

**Advantages:**

- Economical
- Fast dry to handling - increased throughput
- Rapid dry to recoat
- Good gloss retention and colour retention
- Good chemical resistance
- Good abrasion resistance
- Excellent durability due to high flexibility and toughness
- Good retention of cosmetic properties due to high UV resistance
- Good resistance to marring, chipping and scratching
- Wide colour selection

**Limitations of Use:**

- Colour may change as temperature approaches 120°C, but the film will remain intact
- Suitable for brush and roller application in small areas only
- Due to fast cure characteristics problems may be encountered in automotive applications
- E~Line® 949 Clear is unable to be applied by airless and air assisted airless spray equipment

**Approvals:**

- MAF Meat, Fish and Game Division

**RECOMMENDED USES**

**E~Line® 949 is a fast cure, economical, high gloss, aliphatic polyurethane.**

**E~Line® 949 is ideal for use where a polyurethane finish is specified and where economy and rapid drying are desirable.**

**E~Line® 949 will provide good gloss and colour retention as well as resistance to moderate to severe corrosive environments for:**

- Structural Steel
- Shop application
- Chemical processing industry
- Pulp and paper industry
- Dairy industry
- Bridges and storage tanks

**E~Line® 949 may also be used for marine applications on all above water areas for:**

- Fishing vessels
- Off-shore structures
- Shore side facilities

**E~Line® 949 is recommended for use on suitably primed steel, aluminium, masonry or fibreglass.**

**SPECIFICATION DATA**

<b>Coating Type:</b>	Aliphatic Acrylic Urethane
<b>Colour:</b>	AS2700, 844, BS5252 colours
<b>Packaging:</b>	5 litre
<b>Mix Ratio:</b>	4:1 by volume
<b>Gloss:</b>	High gloss
<b>Flash Point:</b>	24 °C Setaflash
<b>Thinner:</b>	K-200 Thinner – Spray application No 5 Thinner – retarder
<b>Pot Life:</b>	Unthinned – 3 hours Thinned 5% – 6 hours
<b>Induction Time:</b>	Winter: 15 minutes at 25 °C
<b>Shelf Life:</b>	More than 12 months

**Density:** 1.322 kg per litre

**VOC:**

**Temperature Resistance:** 120 °C dry

**Volume solids (mixed):** 54 %

**Theoretical Coverage Rate:**

10.8 sq. metres per litre at 50 microns dry

**Recommended Film Thickness Per Coat:**

93-139 microns wet to obtain 50-75 microns dry

**Application:** Spray, Brush or Roller

**Dry Times (50µm DFT / 50% RH):**

<b>Recoat – minimum:</b>	<b>5°C</b>	<b>15°C</b>	<b>25°C</b>	<b>30°C</b>
<b>Self</b>	24 hrs	12 hrs	4 hrs	3 hrs

<b>Recoat – maximum:</b>	<b>5°C</b>	<b>15°C</b>	<b>25°C</b>	<b>30°C</b>
<b>Self</b>	n/a	n/a	n/a	n/a

## 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<sup>®</sup> 949 is designed to be applied to suitably prepared surfaces primed with one of the following compatible primers.

#### **Mild Steel:**

Altra-Build<sup>®</sup>, Altra-Etch<sup>®</sup>, Altra-Prime<sup>®</sup>, Altra-Shield<sup>®</sup>, Altra-Zinc<sup>®</sup> coatings

#### **Aluminium and Galvanising:**

Altra-Bond<sup>®</sup>, Altra-Etch<sup>®</sup>, Altra-Prime<sup>®</sup>, Altra-Shield<sup>®</sup>,

#### **Timber:**

Altra-Build<sup>®</sup>, Altra-Prime<sup>®</sup>, Altra-Shield<sup>®</sup>, Everseal, Altra-Lock<sup>®</sup> 577.

#### **GRP/ Epoxy Laminate:**

Altra-Build<sup>®</sup>, Altra-Prime<sup>®</sup>, Altra-Shield<sup>®</sup>

#### **Concrete:**

Altra-Lock<sup>®</sup> 577, Altra-Build<sup>®</sup>, Altra-Etch<sup>®</sup>, Altra-Prime<sup>®</sup>, Altra-Shield<sup>®</sup>.

#### **Previously Painted Surfaces:**

Clean with Altex P40 Cleaner. Remove loose and peeling paint. Prepare all corroded and damaged paint areas in accordance with the preparation required for the applicable primer. Feather back edges to a sound clean existing coating. Abrade all existing coating to provide a fine matt finish. Clean to remove all grit dust and debris and ensure the surface is dry. Prime bare areas with one of the primers specified under new surfaces.

## DIRECTIONS FOR USE

### **Mixing:**

E-Line<sup>®</sup> 949 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 K-200 Thinner

### **Application:**

Application by either conventional air spray or airless spray equipment is the preferred method. For touch-up and repair to small areas, E-Line<sup>®</sup> 949 can be applied by brush and roller. E-Line<sup>®</sup> 949 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, 1.8mm (0.070) set up DeVilbiss JGA gun, E or D Fluid Nozzle, 80 Air Nozzle.
Airless Spray	Graco 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.

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

### **Safety:**

E-Line<sup>®</sup> 949 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<sup>®</sup> 949 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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