



# Industrial Urethane Enamel AR-610I

Color: Safety Blue, Safety Green, Safety Yellow. Safety Red, Sapa Gray, Hydro White and a wide range of colors possible

AR- 610I Industrial Urethane Enamel are fast drying industrial finish alkyd enamels intended for coating metal parts and products. They are ideal for industrial, OEM, maintenance, and new construction applications. They offer versatility and efficiency of application due to their properties.

## Features & Benefits

- Suitable for both Air Dry and Bake applications
- Low VOC (≈ 3.0 Lbs/Gal)
- Excellent Solvent and Chemical resistance
- Outstanding abrasion resistance
- Excellent adhesion to metals
- Free of lead and chromate hazards

## Physical Characteristics

<b>Weight/Gallon (lbs.):</b>	
80-35-8416	9.58 ± 0.3
<b>Weight Solids:</b>	
80-35-8416	63.29 ± 2.0 %
<b>Volume Solids:</b>	
80-35-8416	50.31 ± 2.0 %
<b>60° Gloss:</b>	30-40 @ 2-3 mils DFT
<b>Viscosity @ 77° F:</b>	25-35 seconds #2 Zahn Signature Cup

**VOC:** 80-35-8416 3.45 lbs/gal

**Spreading Rate: (BLENDED)**  
777 sq ft/gal @ 1 mil DFT

**Flash Point:** 14° F Seta Flash Closed Cup

**Vol. Solids at Gun:** 48.41 ± 2.0 %

**Recommended DTM film Thickness:**

Mils Wet	4.0 - 5.0 mils
Mils Dry	1.6 - 2.0 mils
Mills Max	6 mils

**Cure:** Air Dry 45 mins

**Final Pencil Hardness:** 2H

**Recommended Storage:** Inside, sealed container, 40° - 100° F No Freeze Hazard. Protect from moisture.

**Shelf Life:** 12 months  
Product shall remix readily to a smooth homogeneous state and meet all specified requirements.

## Application

**SURFACE PREPARATION:** Steel or Iron  
Surface should be free of grease, oil, dirt, or other contaminants. Remove rust, mill scale, and oxidation products. A minimum of SSPC 2/3 is required, with an SSPC 6 recommended.

**REDUCTION:** Reduction should not be necessary. A small amount of Methyl Acetate can improve flow and leveling.

**CONVENTIONAL SPRAY:**

Atomization Pressure.....	45 – 60 psi
Fluid Tip .....	0.055-0.070"
Fluid Delivery rate .....	10 – 12 oz/min

**AIR ASSISTED AIRLESS SPRAY:**

Air assist Pressure .....	25 psi
Fluid Pressure.....	1500 – 2000 psi
Fluid Tip .....	0.013 – 0.017"

**HVLP:**

Atomized air at the cap.....	8 – 10 psi
Fluid Delivery rate .....	8 – 10 oz/min
Tip Size .....	0.055
Cap .....	2000





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#### **CLEAN-UP:**

Use ketones or xylene for clean-up.

#### **PRODUCT LIMITATIONS:**

- Paint to be applied at supplied VOC without reduction.
- This ratio has been set for optimal performance of the product.
- *Equipment application guidelines are only guidelines and application/process parameters will dictate exact requirements.*

*obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling, methods of application, which are not known or under our control, PPI cannot make any warranties as to the end result.*

## **Cautions**

#### **DANGER!** Contents are **FLAMMABLE**.

Vapors may cause flash fires. Keep away from heat, sparks and open flame. During use, and until all vapors are gone, keep well ventilated. Do not smoke. Extinguish all flames, pilot lights and heaters. Turn off stoves, electric tools, appliances, and any other source of ignition.

Catalyst CONTAINS ISOCYANATES. People who have chronic (long term) lung or breathing problems or have had a reaction to isocyanates, must not be in the area where this product is being applied where overspray is present, a positive pressure air-supplied respirator should be worn. If unavailable, a properly fitted organic vapor/particulate respirator may be effective. Consult catalyst SDS for further information.

VAPOR HARMFUL IF INHALED CAUSING DIZZINESS, HEADACHE OR NAUSEA, IRRITATES EYES, SKIN AND RESPIRATORY TRACT. Use a properly fitted Organic vapor Respirator. Follow respirator manufacturer's directions for respirator use. Avoid contact with skin and eyes. Keep container closed when not in use. Do not transfer contents to other containers for storage. Before use please consult the Safety Data Sheet for further precautions.

#### **FIRST AID:**

**If inhaled:** If affected, remove from exposure. Restore breathing. Keep warm and quit.

**If on skin:** Wash affected area thoroughly with soap and water. Remove all contaminated clothing/laundry before reuse.

**If swallowed:** Get medical attention immediately.

**Spill and Waste:** Ventilate and remove with inert absorbent. Incinerate in approved facility. Do not incinerate in closed containers. Dispose of in accordance with federal, state, and local regulation regarding pollution.

#### **Delayed effects from long term overexposure:**

Contains solvents, which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

#### **FOR INDUSTRIAL USE ONLY**

*Note: Product data sheets are periodically updated to reflect new information relating to the product. It is important that the customer*

