



Advanced Industrial Coatings

3.5 VOC Urethane Primer

AIP200 White

AIP201 Black

PRODUCT DESCRIPTION

Advanced Industrial Primer AIP200/201 is a low VOC, two-component urethane primer for use with Advanced Industrial topcoat system. AIP 2K urethane primer is a lead and chromate free, quick drying product to be used as an undercoat for the AIC topcoats. AIP 200/201 should be used over properly prepared bare and/or painted substrates. AIP 200/201 2K primer delivers good gloss holdout and corrosion resistance over properly prepared substrates with the added ability to fill minor surface scratches.

TECHNICAL DATA

• **Max VOC**

AIR10 / AIR20 AIH50 @ 8:4:1 VOC Less Exempt 3.49 lbs/gal

• **Viscosity** (sprayable)

Gardner #2 Zahn Cup (ISO calibrated) 15-17 sec

• **Coverage @ 1 mil dry (white)** 470 sq. ft./gallon

• **Recommended dry film thickness** (white 2 coats) 1.5-2.5 mils

• **Volume Solids** (white) 29%

• **Performance after one-week air dry**

- Flexibility (1/8" conical mandrel) Pass

- Solvent resistance (10 double rubs)

- (MEK/Xylene/Gasoline/Diesel/Oil) No effect

- Salt spray resistance -250 hrs* 1/8" creep

- Humidity resistance - 100 hours* No effect

* Over properly treated substrate

SUITABLE SUBSTRATES

AIP 200 / 201 primers series do not require an etch primer and can be applied directly to the following properly cleaned and sanded substrates with 220 grit sandpaper:

- Cold rolled steel
- Hot rolled steel,
- Galvanized steel

MIXING

1. Stir or shake AIP200 / AIP201 Primer thoroughly before mixing.
2. Mix by volume, **8 parts AIP Primer with 4 parts AIR10 / AIR20 and 1 part of AIH50 hardener.** Stir thoroughly and strain before use.

Pot life: 1 hour @ 70°F.



8
Primer
AIP200
AIP201

+



4
Reducer
AIR10/AIR20

+



1
Hardener
AIH50

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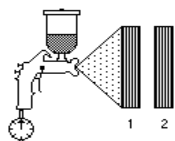
APPLICATION

Overall

1. Adjust air pressure at the gun to 55-65 psi for siphon, gravity or pressure feed (adjust pot pressure to 5-10 psi for 8-12 fluid ounces per minute delivery).
2. For Pressure/Siphon feed, apply 2 medium coats at a gun distance of 8-10 inches. Spray to hiding. For HVLP, apply 1 full wet coat with 50% overlap, applying the second coat in a cross-coat method. Recommended dry film thickness is 1.5-2.5 mils.
3. Clean spray gun immediately after use with Gun and Equipment Cleaner.

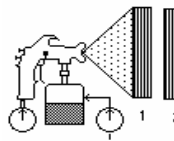
HVLP

Apply 1 full wet coat
With 50% overlap.



Conventional Pressure Feed

Apply 2 medium coats.
Allow each to become hand slick



Equipment

Fluid Tip
Fluid Delivery
Atomizing Air

HVLP

1.2 –1.4 mm
8-15 oz./min.
8–10 psi @ Tip

Apply 1 full wet coat with 50% overlap
Using a cross-coat technique

Conventional Pressure Feed

0.70/1.8 mm
8-15 oz./min.
55 - 65 psi @ Gun
Apply 2 medium coats

DRYING SCHEDULE

Dry times are based on the recommended dry film thickness of 1.5 – 2.5 mils;
- Thicker films will extend drying times.

Air dry times @ 75°F and 50% Relative Humidity:

Force Dry times:

	<u>Air Dry</u>	<u>140°F</u>	<u>180°F</u>
- Dust free	30 min	15 min	15 min
- Tack free	45 min	30 min	20 min
- Tape free	2 hours	1 hour	45 min
- Nib Sand	4 hours	2 hours	1 hour

RECOATING

- Can be topcoated or recoated after 15 minutes. Must be scuffed or sanded after 48 hours.

PERSONAL PROTECTION

- Read all label directions before use.
- Wear a NIOSH approved dust particulate mask when sanding.
- Refer to MSDS for specific information.
- Wear safety glasses, coveralls, respirator and latex gloves when using product.
- Wear a NIOSH approved organic vapor respirator when mixing and applying.

To learn more about Advanced Industrial Coatings Products, call 1-888-813-2263.