



Product Finishes

EPOXY PRIMER 5551

Gray.....E61AP5027
Hardener....V66VP5001
Reducer-----R07KP1039

DESCRIPTION

EPOXY PRIMER 5551 is a air dry/forced dry VOC compliant, two component coating suitable for use as a primer on metal. This primer is designed to provide wet on wet application with 2K solvent based Urethane Topcoats.

Advantages:

- Complies with 3.5 VOC emission.
- Excellent adhesion to various metals.
- No induction time.
- Suitable to be applied wet-on-wet with 2K Urethane topcoat.
- Free of chromate hazards.

CHARACTERISTICS

Component A	E61AP5027
Component B	V66VP5001

Weight /Solids:

Component A	65%~75%
V66VP5001	40%~45%

Volume/ Solids:

Component A	45%~55%
V66VP5001	35%~40%

Flash Point 24° C Pensky-Martens

CHARACTERISTICS (cont.)

Mixing Ratio 10:1 (by weight)

10 parts	E61AP5027
1 part	V66VP5001
1-2 Parts	R07KP1039

MIXED

Viscosity 12-20 sec.Zahn#3

Weight solids 60%~70%

Volume solids 42%~50%

Recommended film thickness :

Mils Wet	70-90um
Mils Dry	35-45um
Mils Max	50um

Theoretical Coverage

483 sq.ft/gal.at 1.5 mi at 3.48 VOC

Working Potlife 4 hours

Drying : (1.5miles @25°C/50%RH)

To touch	20-25 min
Tack free	50-60min
To handle	4 hours
To recoat	20 minutes
Total	7 days

Force cure 10 min. Flash
30 min@80°C
15min@120°C

Recommended Storage: Inside, sealed container, 40-120°F. No freeze hazard.

Package Stability: After a period of up to 18 months, paint shall remix readily to a smooth homogenous state and shall meet all specified requirement once mixed.

An Environment Data Sheet is available from your local Sherwin-Williams Facility.

APPLICATION

Typical

Surface Preparation : All substrates should be free of oil and other contaminants.

Conventional Spray (no reduction)

Air Pressure.....50-60 psi
Fluid Pressure..... 20-25 psi

Air Assisted Airless Spray: (no reduction)

Air Pressure.....20 psi
Fluid Pressure..... 1200-1600 psi
Tip Size.....0.411

High Volume low pressure (HVLP) (no reduction)

Air Pressure at cap.....10 psi max
Fluid Pressure..... 10-15psi
Fluid Tip..... 0.055-0.070

Performance test:

Substrate : Phosphating plate
Force cure : 15 mins@120° C
Dry film thickness : 40-45 µm
Salt Spray (ASTM B117), 500 hours,
≤3mm rust creep on scribe.

**DO NOT TAKE INTERNALLY
KEEP OUT OF THE REACH OF
CHILDREN
FOR INDUSTRIAL USE ONLY**

SEE MATERIAL SAFETY DATA SHEET

NOTE:

Product Data Sheets are periodically updated to reflect new information relating to the product .It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, ratings and opinions stated above pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, The Sherwin Williams Company cannot make any warranties or guarantees as to the end results.