



VpCI®-395



PRODUCT DESCRIPTION

VpCI-395 is a waterborne epoxy primer that provides excellent adhesion, salt spray, immersion, and long term corrosion protection to steel. VpCI-395 differs from other epoxy primers by minimizing long-term embrittlement and has a fast drying time (20-30 minutes dry to touch) as well as excellent corrosion resistance. Its water-based formulation makes it easier to comply with environmental regulations governing solvents and VOC limits. Clean up is easy by using soap and water.

FEATURES

- Provides long-term corrosion resistance in a corrosive atmosphere
- Water-reducible
- VOC compliant
- Fast drying
- Excellent adhesion
- Excellent immersion resistance
- Long pot life of 6-8 hours
- Works in HCl, H₂S, SO₂, and CO₂ vapor environments
- UL Classified in accordance with ANSI/NSF Standard 61 for potable water (applies only to RAL 7046)

MIXING

Mix 4 parts of Part A to 1 part of Part B. Mix until a uniform coating is obtained. After mixing, do not apply VpCI-395 for at least 30 minutes. The pot life of VpCI-395 is approximately 6-8 hours at 75°F (25°C). This value may change depending upon the temperature and size of the batch.



Drinking Water
System Component
ANSI/NSF 61
36AL

APPLICATION

VpCI-395 may be applied by spray or brush. A dry film thickness of 1.5-3 dry mils (37.5-75 microns) is recommended. The coating dries in about 20-30 minutes; however, it takes approximately one week before the coating is fully cured. Top coats can be applied between 30 minutes and 8 hours after the primer is applied, depending upon the type of top coat and drying conditions.

METALS PROTECTED

- Carbon steel
- Stainless steel
- Cast iron
- Galvanized **
- Aluminum **

** A wash primer such as VpCI®-373 green applied at 0.5-1.0 dry mils (12.5-25 microns) is recommended before applying the VpCI-395 to these substrates.

TYPICAL USES

- Structural steel
- OEM primer
- Equipment overhauls
- Immersed equipment
- Holding tanks

TYPICAL PROPERTIES

| Part A | Aluminum |
|------------------|-------------------------------------|
| Appearance | Aluminum, liquid |
| NVC | 50-60% by weight |
| Shelf Life | 1 year |
| Density | 9.7-10.3 lb/gal (1.19-1.26 kg/l) |
| Flash Point | >240°F (115°C) |
| pH | 8-9 (Neat) |
| Viscosity | 800-2000 cps |
| VOC (actual) | 0.20 (24.07 g/l) |
| VOC (regulatory) | 0.42 (50.17 g/l) |



Part A

| | |
|------------------|--------------------------------------|
| Appearance | Various colors, liquid |
| NVC | 60-70% by weight |
| Shelf Life | 1 year |
| Density | 11.9-12.7 lb/gal (1.43-1.52 kg/l) |
| Flash Point | >240°F (115°C) |
| pH | 7.8-9.2(Neat) |
| Viscosity | 2,000-4,000 cps |
| VOC (actual) | 0.03-0.1 (3.20-11.9 g/l) |
| VOC (regulatory) | 0.03-0.1 (3.20-11.9 g/l) |

Part B

| | |
|------------------|---------------------------------|
| Appearance | Dark yellow viscous liquid |
| NVC | 38-44% |
| Shelf Life | 1 year |
| Density | 8.5-9.0 lb/gal (1.02-1.08 kg/l) |
| Flash Point | 122°F (50°C) |
| pH | 9-10 (Neat) |
| Viscosity | 1,000-1,800 cps |
| VOC (actual) | 1.62 (194.52 g/l) |
| VOC (regulatory) | 3.05 (365.78 g/l) |

Mixed Properties Aluminum

| | |
|------------------|---|
| Density | 9.8-10.2 lb/gal (1.17- 1.22 kg/l) |
| NVC | 50-60% |
| VOC (actual) | 0.52 (62.83 g/l) |
| VOC (regulatory) | 1.07 (128.14 g/l) |
| Spread Rate | 294-588 ft ² /gal (7.3-14.6 m ² /l) |

FOR INDUSTRIAL USE ONLY**KEEP OUT OF REACH OF CHILDREN****KEEP CONTAINER TIGHTLY CLOSED****NOT FOR INTERNAL CONSUMPTION****CONSULT SAFETY DATA SHEET FOR MORE****INFORMATION****Mixed Properties Colors, various**

| | |
|------------------|---|
| Density | 9.7-11.7 lb/gal (1.16-1.40 kg/l) |
| NVC | 50-65% |
| VOC (actual) | 0.44-0.6 (53.24-71.9 g/l) |
| VOC (regulatory) | 0.58-0.8 (69.6-95.8 g/l) |
| Spread Rate | 294-641 ft ² /gal (7.3-16 m ² /l) |

PROPERTIES

Recommended dry film thickness
1.5-3.0 mils (37.5-75 microns)

Dry Time

| | |
|----------------------------------|---------------------|
| Tack Free | 20-30 minutes |
| Full Cure | 7 days |
| Recoat | 30 minutes -8 hours |
| Potlife | 6-8 hours |
| Salt Spray Resistance | 1500-2000 hours* |
| Humidity Resistance | 400-500 hours* |
| Hardness (pencil) | H* |
| Adhesion | 5B* |
| Flexibility (conical mandrel) | 1/4" 100% pass* |

*panels were air-dried for 7 days prior to testing

PACKAGING AND STORAGE

VpCI-395 part A is available in 5 gallon pail filled with 4 gallons (14.2 liters). VpCI-395 part B is available in a 1 gallon can (3.8 liters). A kit is 5 gallons total (19 liters). Do not allow product to freeze.

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