



# SPI COATINGS

PROVEN PERFORMANCE • REAL WORLD SOLUTIONS

**INSULATION  
AND  
CORROSION  
SPECIALISTS**

## APC STRIPABLE BASE

### Technical Data Sheet (01/25/18)

#### DESCRIPTION

APC STRIPABLE BASE is a single component, water-based coating designed to be a strippable base for bare or painted metal, painted concrete, masonry, high-density plastic, and wood. It offers a dual ability to adhere to a surface and to have a top-coat applied, while allowing itself to be sliced to break the surface tension and can be removed months or years later. Conforms to MIL-PRF-6799.

#### TYPICAL USES

- As a strippable sealer over smooth surfaces
- APC STRIPABLE BASE allows a top-coat to be applied for color or insulation

#### APPLICATION METHODS

APC STRIPABLE BASE should be applied to clean nonporous surfaces. APC STRIPABLE BASE can be applied by conventional air spray, HVLP, or airless spray equipment or by natural bristle brush or short nap (1/4-inch) roller. Airless machines need to spray at a minimum rate of one gallon per minute using a .025-.031 reversible tip.

#### MINIMUM SPREAD RATES (mil thickness)

Smooth Surfaces - metal, foam. Apply @ 90 sq.ft./gallon (8.4 sq.mtr./gal.) 18 mils wet, 7 mils dry (450 microns wet, 175 microns dry); uniform finish--no shadowing.

#### SAFETY PRECAUTIONS

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation, proper ventilation, use of proper lamps, wearing of protective clothing and masks, tenting, and proper separation of application areas. For more specific safety procedures, please refer to the APC STRIPABLE BASE Material Safety Data Sheet. **KEEP OUT OF REACH OF CHILDREN.**

#### PHYSICAL DATA

- ◆ Solids: By weight 42% / By volume: 40%
- ◆ 30-60 minutes to tack free at 70°F (21°C) in full sun
- ◆ Overcoat: 2 hours (full sun) when 70°F (21°C) at 40% relative humidity
- ◆ Full Cure: 2 days
- ◆ Lead and chromate free
- ◆ Cures by evaporation
- ◆ Weight: 8.8 lbs. per gallon
- ◆ Vehicle Type: Aqueous acrylic dispersion
- ◆ Shelf Life: Up to 3 years if unopened under appropriate storage conditions (See MSDS).
- ◆ VOC Level: 41 grams / liter
- ◆ Package Unit: 5 gallon pail
- ◆ Maximum Surface Temperature when applying: 150°F (65°C)
- ◆ Minimum Surface Temperature when applying: 40°F (5°C)
- ◆ Maximum Surface Temperature after curing: 200°F (93°C)

#### MEETS CARC/MIL SPEC: DTL- 53022

Clean up may be done with soap and water.

LIMITATION OF LIABILITY: The information contained in this data sheet is based upon tests that we believe to be accurate and is intended for guidance only. All recommendations or suggestions relating to the use of the products made by SPI, whether in technical documentation, or in response to a specific enquiry, or otherwise, are based on data which to the best of our knowledge is reliable. The products and information are designed for users having the requisite knowledge and industrial skills, and the end-user has the responsibility to determine the suitability of the product for its intended use.

SPI has no control over either the quality of condition of the substrate, or the many factors affecting the use and application of the product. Therefore, SPI does not accept any liability arising from loss, injury, or damage resulting from such use or the contents of this data sheet (unless there are written agreements stating otherwise).

The information contained in this data sheet is subject to modification as a result of practical experience and continuous product development. This data sheet replaces and annuls all previous issues and the user has the responsibility to ensure that this sheet is current prior to using the product.



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## APC STRIPABLE BASE

### Application Instructions (06/5/15)

APC STRIPABLE BASE is a single component, water-based coating designed to be a strippable base for bare or painted metal, smooth concrete, masonry, high-density plastic, and wood. It offers a dual ability to adhere to a surface and to have a top-coat applied, while allowing itself to be sliced to break the surface tension and be removed months and years later.

#### SURFACE PREPARATION

Surface must be clean from oil, tar, rust, grease, salts, and films.

- 1) Use general citrus cleaner, if needed.
- 2) Clean surface using TSP (tri-sodium-phosphate) or a citrus cleaner to release dirt and degreaser residue.
- 3) Pressure-wash if possible @ 3500 psi.
- 4) Salt contamination on a surface can come as a result of salt water, fertilizers, and car exhaust. Use Chlor-Rid or equivalent to decontaminate surface if salts are present. Acceptable levels: Nitrates: 5-10 mcg/cm<sup>2</sup>, Sulfates: 5-10 mcg/cm<sup>2</sup>, Chlorides: 3-5 mcg/cm<sup>2</sup>
- 5) If pack rust or mill scale exist, it must be removed by grit blast, power tool or needle gun.

#### Surface must be dry before applying.

- 1) APC Stripable Base must be applied during proper temperatures (below) and the prescribed overcoat window of the coating over which it will be applied.
- 2) Maximum Surface Temperature when applying: 150°F (65°C)
- 3) Minimum Surface Temperature when applying: 40°F (5°C)
- 4) Maximum Surface Temperature after curing: 200°F (93°C)

#### MIXING

APC Stripable Base should be mechanically mixed or mixed by hand for three minutes, then applied.

#### MINIMUM SPREAD RATES (mil thickness)

Smooth Surfaces - metal, high-density plastic.

Apply @ 90 sq.ft./gallon (8.4 sq.mtr./gal.) 18 mils wet, 7 mils dry (450 microns wet, 175 microns dry)

#### APPLICATION

APC Stripable Base can be applied by brush, roller or spray; however, the preferred method is by air or airless sprayer. It should never be applied directly over rust, nor should it ever be diluted or thinned.

- 1) If application is by brush, use a soft bristle brush.
- 2) If application is by roller, use a 1/4 inch nap roller. Watch for bubble development and brush if needed to remove bubbles.
- 3) If application is by spray, use a standard airless sprayer (1 gallon/minute at 3,000 psi.) with a .021-.025 tip.
  - **NOTE:** Temperatures must always be a minimum of 5 degrees above the dew point during application.

#### CURE TIME

- 1) 30-60 minutes to tack free at 70°F (21°C) in full sun
- 2) Overcoat: 2 hours (full sun) when 70°F (21°C) at 40% Relative Humidity
- 3) Full Cure: 2 days

#### TEMPERATURE

- 1) Apply between 50°F. and 100°F.
- 2) Store between 40°F. and 100°F.

#### CLEAN-UP EQUIPMENT

- 1) After completion, spray system should be cleaned with soap and water.
- 2) After completion, brushes and rollers can be cleaned with soap and water, stored and reused.

## **SECTION I - IDENTIFICATION OF THE PRODUCT AND THE COMPANY:**

PRODUCT NAME: APC STRIPABLE BASE  
GHS PRODUCT IDENTIFIED: Global Harmonized System #3209.10.0000  
CHEMICAL TYPE: Waterbased coating  
MANUFACTURER: Superior Products International II, Inc.  
ADDRESS: 10835 W. 78th St., Shawnee, KS 66214 USA  
PRODUCT USE: To protect surfaces from water penetration and corrosion  
EMERGENCY TELEPHONE NUMBER: 800/424-9300; 202/483-7616

## **SECTION II - HAZARD IDENTIFICATION:**

This product is water-based and not classified as dangerous for supply or conveyance. The ingredients are water-reduceable. No dangerous ingredients according to directive 2001/58/EC.

## **SECTION III - HAZARDOUS INGREDIENTS:**

Vinyl Acetate - 0.2% (108-05-04) TWA: 10ppm STEL: 15ppm

## **SECTION IV - FIRST AID MEASURES:**

EYES: Flush with water for at least 15 minutes; consult physician if irritation continues.  
INGESTION: Do not induce vomiting. Drink 1-2 glasses milk/water. Seek medical attention according to amount of product ingested.  
SKIN: Wash with mild soap and water.  
INHALATION: Remove to fresh air.

## **SECTION V - FIRE FIGHTING MEASURES:**

**CONDITIONS OF FLAMMABILITY:** Not flammable; water-based product  
**HAZARDOUS COMBUSTION PRODUCTS:** None; water-borne  
**AUTOIGNITION TEMP.:** NAP **MINIMUM IGNITION ENERGY:** NAV  
**FLAMMABLE LIMITS:** (Lower) NAP% (Upper) NAP% **FIRE POINT:** NAV  
**FLASH POINT & METHOD:** NAP **SENSITIVITY TO MECHANICAL IMPACT?**  
No  
**SENSITIVITY TO STATIC DISCHARGE?** No

**SPECIAL PROCEDURES:** Firefighters should wear full-body protection & SCBA  
**MEANS OF EXTINCTION:** Water, water fog, dry chemical, foam or CO2

## **SECTION VI - ACCIDENTAL RELEASE MEASURES:**

Use kitty litter, sand or other to control spread and absorb liquid.

## **SECTION VII - HANDLING AND STORAGE:**

**STORAGE REQUIREMENTS:** Keep from freezing. Store below 50C. degrees. Keep container closed tightly to prevent drying out.  
**HANDLING PROCEDURES/EQUIPMENT:** Treat as paint product. Use ventilation and protective equipment to suit conditions of use. Use soap and water for clean-up.

## **SECTION VIII - EXPOSURE CONTROLS AND PERSONAL PROTECTION:**

**PERSONAL PROTECTIVE EQUIPMENT:** Avoid inhalation of liquid when applying. Use particulate respirator.  
**ENGINEERING CONTROLS:** Use mechanical ventilation to control aerosol or mist if product is sprayed.

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES:**

**PHYSICAL STATE:** Liquid, milky      **SOLUBILITY IN WATER:** soluble/miscible  
**APPEARANCE AND ODOR:** dark blue color, mild acrylic odor  
**FREEZING POINT:** 32F. degrees      **BOILING POINT:** 200F degrees      **pH:** 5.5  
**SPECIFIC GRAVITY:** 1.09      **ODOR THRESHOLD:** NAV  
**COEFF. WATER/OIL:** NAV      **VAPOUR PRESSURE:** NAV  
**VAPOUR DENSITY (Air=1):** 2.1  
**EVAPORATION RATE:** NAV      **VOLATILES:** less than 0.5

**SECTION X - STABILITY AND REACTIVITY:**

**CONDITIONS OF REACTIVITY:** stable      **CONDITIONS OF INSTABILITY:** stable  
**CHEMICAL INCOMPATIBILITY:** strong acids or bases  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion of the dried product can yield low molecular weight hydrocarbons such as carbon monoxide & carbon dioxide  
**CORROSIVE BEHAVIOR?** no

**SECTION XI - TOXICOLOGICAL INFORMATION:**

**ROUTES OF ENTRY:** SKIN CONTACT \_\_\_ SKIN ABSORPTION \_\_\_ EYE CONTACT X  
**INHALATION** \_\_\_ **INGESTION** X **SYNERGISTIC PRODUCTS** None Known  
**EXPOSURE LIMITS:** cause irritation  
**EFFECTS OF ACUTE EXPOSURE:** liquid splash could result in eye or nose irritations and/or headache  
**EFFECTS OF CHRONIC EXPOSURE:** excessive exposure to liquid product may result in minor irritations  
**MUTAGENICITY:** NAP  
**TERATOGENICITY:** NAP  
**REPRODUCTIVE TOXICITY:** NAP  
**CARCINOGENICITY:** none known or listed; no known effects or other illnesses  
**SENSITIZATION:** not expected  
**IRRITANCY:** possible skin or eye irritation if not washed off

**SECTION XII - ENVIRONMENTAL INFORMATION:**

**Air** -this product is environmentally-friendly and poses no threat to the air.  
**Water**-the resins will be diluted and dissipate when flushed with water.  
**Soil** -the resin contents are biodegradable in ground acids over a period of time.  
No ecological hazards are known to exist.

**SECTION XIII - WASTE DISPOSAL:**

Product spill should be contained by previously described absorption methods, and dried product disposed of as normal industrial waste according to all federal, state or governmental regulations.

**SECTION XIV - TRANSPORT INFORMATION:**

The only restriction to carriage is for protection against freezing. Contents are water-based.

**SECTION XV - REGULATORY INFORMATION:**

Regulatory agency controls and restrictions are minimal regarding conveyance or use of water-based products other than what has been specifically addressed.

**SECTION XVI - OTHER INFORMATION:**

NAP