



## PRODUCT DATA SHEET

# SanySurface AC

### Primer Acid Etchant

#### GENERIC TYPE:

A Modified Phosphoric Acid Etchant.

#### DESCRIPTION:

**SanySurface AC** is a fast acting, mild, non-corrosive acid compound designed to acid etch nonferrous surfaces. When used as a pre-treatment for ferrous surfaces, **SanySurface AC** converts light, tightly adhered rust to a black, tightly adhering iron-zinc-phosphate complex which serves as a base for topcoats.

#### RECOMMENDED USES:

**SanySurface AC** is an acid etchant for the preparation of aluminum and galvanizing for topcoating. To be used where **SanyBond-WP100** is not recommended due to high temperature considerations. Can also be used as a pre-treatment for lightly corroded steel structures which cannot be sandblasted prior to painting.

#### NOT RECOMMENDED FOR:

Use in conjunction with any Zinc Primer, Organic or Inorganic, or Immersion Service.  
**Note:** Do not use on heavily rusted surfaces.

#### SUBSTRATES:

Apply over lightly rusted steel, Aluminum, Galvanizing or other as recommended.

#### SURFACE PREPARATION

Remove any oil or grease from surface to be treated with clean rags soaked in **SolvenSany # 252** in accordance with SSPC-SP-1-82. Remove loose rust or scale if present.

#### Mixing instructions:

May be thinned with water for very mild etching of aluminum or galvanizing, or very light rust. Normally used without thinning.

#### APPLICATION CONDITIONS

	Material	Surfaces	Ambient	Humidity
Normal	4 – 38 °C	4 – 60 °C	4 – 38 °C	N/A
Minimum	2 °C	2 °C	2 °C	0 %
Maximum	66 °C	66 °C	49 °C	95 %

Do not apply to damp or wet surfaces as water reduces the etching process.

#### SPRAY:

Use low pressure Hudson type garden sprayer with hand pressure pump only. Do not use high pressure equipment.

#### BRUSH OR ROLLER:

Use a medium bristle brush or short nap roller.

#### NOTE:

Use protective clothing and safety equipment to prevent contact with skin and eyes.

#### CLEAN UP

Use water to clean up.

#### Contact



For information and Prices, Please Call a SANYCHEM Local Sales Representative.

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#### SPECIFICATION DATA

##### Theoretical Coverage Rate per Gallon: \*

39.1 sq. m / Lit. at 25 microns  
9.8 sq. m / Lit. at 100 microns

\* Mixing and application losses will vary and must be taken into consideration when estimating job requirements.

##### Recommended Wet Film Thickness per Coat :

4.0 mils ( 100 microns )

Remember that **SanySurface AC** is non film forming

##### Flash Point :

None – Water based

##### Chemical Resistance :

Refer to topcoat used.

##### Temperature Resistance

Refer to topcoat used.

##### Color Standard in :

Clear Only

##### Shelf Life :

12 months when stored at 24 °C.

##### Storage Conditions:

Store indoors.

Temp.:

2 - 66 °C

Humidity:

0 - 100%

#### TOPCOAT REQUIRED:

**SanySurface AC** can normally be topcoated with most organic coatings. Recommendations include most SanyChem low to medium film build coatings with exception of Zinc-Rich products. **SanySurface AC** must be topcoated within three to four days of application.

#### COMPATIBILITY WITH OTHER COATINGS:

**SanySurface AC** can be applied directly to substrate. Will not damage acid resistant coatings if rinsed off promptly.

#### DRYING TIMES:

**SanySurface AC** must be rinsed until neutralized with fresh water after 30 minutes and painted as soon as possible after the water evaporates. On some alloys, **SanySurface AC** form a white powder which must be removed before painting proceeds. The surface should be coated within 24 hours, or sooner if there is possible contamination.



E-mail



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