



## PRODUCT DATA SHEET

# SanyBond – WP100

### Vinyl Wash Primer

#### GENERIC TYPE:

A polyvinyl-butylal Wash Primer

#### DESCRIPTION:

**SanyBond- WP100** is a two component, vinyl butyral / phosphoric acid wash primer used over cleaned metal surfaces and zinc rich primers, as a tie coat for subsequent priming with anticorrosive primers or finish coatings. Application is generally only by spray but small areas may be brushed. Film thickness should not be less or greater than 7.5 - 10 microns as this can affect adhesion. SanyBond-WP100 is a thin-film primer / pretreatment that can be applied over non-ferrous metals to promote adhesion, thus eliminating their need for sandblasting.

#### FEATURES:

- Very good flexibility.
- Can be applied over most non-ferrous metals.
- Good abrasion resistance.
- May be topcoated with most generic type of Topcoats.
- Conforms to MIL-P-15328D, modified for non settling characteristics.

#### RECOMMENDED USES:

**SanyBond-WP100** is an etching primer for unpainted non ferrous metals such as: aluminum, cadmium, silver, steel, zinc, nickel, copper, galvanized steel and brass.

#### NOT RECOMMENDED FOR:

Chemical exposure without suitable topcoat, or immersion service.

#### SUBSTRATES:

Apply over properly prepared galvanized steel or most alloys as recommended. Can be applied directly to the substrate or over Inorganic Zinc Coatings.



#### SPECIFICATION DATA

• Solids Content By Volume: 10% ± 2%

• Theoretical Coverage Rate per Gallon: \*

4.0 sq. m / Lit. at 25 microns

8.3 sq. m / Lit. at 12 microns

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

• VOC Values As supplied:

714 g / L

This is a nominal value and may vary when thinned.

• Thinner

SolvenSany # 266

%Thinned

50%

Grams/Lit.

750

• Recommended Dry Film Thickness per Coat :

0.5 mils ( 12 microns )

Excessive film thickness will cause reduce adhesion

• Over-coating time:

The coated surface must not be over-coated for at least 30 minutes after the application but must be over-coated within 8 hours.

• Coverage (ASTM 2805):

The recommended dry film thickness is 0.5 mil ( 12 microns). **SanyBond-WP100** at the above mentioned film thickness provides a semi transparent covering that will not hide the substrate.

• Typical Chemical Resistance :

Refer to topcoat used.

• Temperature Resistance

(Non-Immersion)

Continuous : 180 °F ( 82 °C)

Non-Continuous : 200 °F ( 93 °C)

• Color Standard in :

Yellow

• Gloss :

Flat

• Pot Life :

4 hours at 75 °F (24 °C) and less at higher temperatures. Pot life ends when the coatings loses body and begins to sag.

• Shelf Life :

24 months when stored at 75 °F ( 24 °C ).

• Storage Conditions:

Store indoors.

Temp.:

4 - 43 °C

Humidity:

0 - 100%

#### COMPATIBLE COATINGS:

**SanyBond-WP100** can normally be topcoated with thin-film Epoxies, Vinyls, Chlorinated Rubber or Acrylics. Consult **SanyChem** Technical Service Department for specific recommendation.

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# APPLICATION INSTRUCTIONS

These instructions are not intended to show product recommendations for specific service. They are issued as an aid in determining correct surface preparation, mixing instructions, and application procedure. It is assumed that the proper product recommendations have been made. These instructions should be followed closely to obtain the maximum service from the materials.

## Substrates & Surface Preparation

**General** Remove any oil or grease from surface to be coated with clean rags soaked in **SolvenSany # 252** or **MetalCleaner # 100** in accordance with SSPC-SP-1.

**Steel Non-Ferrous Metals And Galvanizing** Apply over clean, grease-free, dry substrates. Alloy that oxidize should be lightly sanded to remove all loose material. For use over inorganic Zinc Primers, material should be properly cured and all loose material removed.

**Spray Application (General)** The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco. Use adequate volume for correct operation. Use a 50% overlap with each pass of the gun. On irregular surfaces, coat the edges first, making an extra pass.

**Conventional** Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, 0.43" I.D. fluid tip and appropriate air cap.

**Airless Spray**  
 Pump Ratio: 30:1 (min.)  
 GPM Output: 3.0 gpm min.  
 Material Hose: 3/8" I.D. (min.)  
 Tip Size: 0.013" - 0.017"  
 Output Pressure: 1900-2100 psi  
 Filter Size: 60 Mesh

**Brush & Roller** For touch up only. Thin with **SolvenSany # 266**. Use a natural bristle brush applying full strokes, or use a short nap mohair roller with phenolic core.

**Mixing instructions:** Stir part "A" thoroughly and add Part "B" (acid component) and **SolvenSany #266** slowly with constant agitation in the following proportions: 4 parts "A" by volume with 1 part "B" (acid component) by volume with 2 parts **SolvenSany # 266** by volume. Insufficient pre-mixing may reduce Pot Life and cause premature gelation of **SanyBond-WP100**. Do not mix components by shaking in a closed container.

**Ratio**

<b>SanyBond-WP100 P/A</b>	1 Gallon Kit 1 Gal. (Partially Filled)
<b>SanyBond-WP100 P/B</b>	1 quart (Partially Filled)

**Thinning** May be thinned up 50% by volume with **SolvenSany # 266** to reduce the viscosity. Use of thinners other than those supplied or recommended by **SanyChem** may adversely affect product performance and void product warranty, whether expressed or implied.

**Pot Life** 8 hours at 75 °F (24 °C) and less at higher temperatures. Pot life ends when coating becomes to viscous to use.

APPLICATION CONDITIONS				
	Material	Surfaces	Ambient	Humidity
<b>Normal</b>	60 – 85 °F (16 – 29 °C)	60 – 85 °F (16 – 29 °C)	60 – 90 °F (16 – 32 °C)	40 – 60 %
<b>Minimum</b>	45 °F ( 7 °C )	40 °F ( 4 °C )	40 °F ( 4 °C )	0 %
<b>Maximum</b>	110 °F ( 43 °C )	150 °F ( 66 °C )	120 °F ( 49 °C )	85 %

Do not apply when the surface temperature is less than 5 °F or 3 °C above the dew point.

## Contact



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

## Phones:



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## DRYING TIMES

Surface Temp. & 50% RH	Dry to Touch and Topcoat
50 °F ( 10 °C )	4 Hrs
60 °F ( 16 °C )	2 hrs
75 °F ( 24 °C )	1 Hr
90 °F ( 32 °C )	1/2 Hr

These times are at the recommended dry film thickness (0.5 mils). Higher film thickness will lengthen cure times



## Safety Cautions:

Caution: Part "B" is an acid. Handle with care. Avoid temperatures above 38°C or below 10°C. Do not store acid component (part "B") in direct sunlight or at temperature exceeding 100°F (38°C). Do not mix components by shaking in a closed container. Acid component (Part "B") must not be used as a thinner. Equipment may be cleaned with **SolvenSany # 266**. Avoid prolonged breathing of vapours and skin contact. Use in a well ventilated area. Smoking or the use of electrical equipment that could cause sparks should be prohibited while this product is being applied. Avoid contact with eyes, skin and clothing. Wear gloves and protect face during application. In case of contact with eyes, flush immediately with plenty of water. Get medical attention promptly. If skin contact occurs wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. Wash hands thoroughly before eating or smoking, Should **SanyBond-WP100** be swallowed accidentally, contact physician immediately.

## Note

Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas. Personal protective equipment meeting the requirements of the COSHH regulations should be worn.

## Cleanup

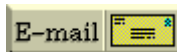
Use **SolvenSany # 266**. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

## Ventilation



When used as a tank lining or in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapour concentration from reaching the lower explosion limit for the solvents used. In addition to ensuring proper ventilation, appropriate respirators must be used by all application personnel. Appropriate Working in Confined Spaces Regulations should be followed.

**FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN. 1/2001**



## Internet:

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