



## PRODUCT DATA SHEET

# KethaPol® - 2000 HB

### Aliphatic Urethane Satin Finish

#### GENERIC TYPE:

Aliphatic Acrylic Urethane

**DESCRIPTION:** *KethaPol-2000 HB* is a high performance, two component chemically-cured aliphatic urethane satin Finish for use in areas where maximum gloss & color retention are required. Very good resistance to splash and spillage of acids, alkalies, solvents, salts and water.

#### FEATURES:

- Exceptional gloss and color retention
- Low VOC
- Easily applied by brush, roller or spray
- Excellent resistance to marring, chipping, and scratching.
- Excellent abrasion resistance.
- May be applied in a single coat directly over inorganic zinc primers.

**Limitations of Use:** Color may change as temperature approaches 250°F (121°C) limit, but the film will remain intact.

#### RECOMMENDED USES:

*KethaPol-2000 HB* is for use on properly prepared and primed steel, concrete or steel floors, masonry, drywall, plaster, metal, concrete block, galvanized, aluminum, poured concrete, and glazed brick. Ideal for use on exterior or interior structural steel, piping, metal buildings, control cabinetry, conveyors, pumps, storage tanks, motors, machinery, and transportation vehicles. Can also be used in the hard service areas of food processing plants, dairies, schools, restaurants, hospitals, correctional facilities, factories, stadiums, arenas, and amusement parks. Also is recommended as a topcoat for properly primed steel structure in chemical processing, Pulp, Paper, Petro-Chemical, Offshore, Heavy Marine, Institutional, Waste water markets and similar industries

#### NOT RECOMMENDED FOR:

Immersion Service

**ORDER INFORMATION:** Prices may be obtained from *SanyChem Sales Representative* or main Office.

#### APPROXIMATE SHIPPING WEIGHT :

**Freight Classification:** Paint, Combustible Liquid UN1263, PG III

<b>Packaging:</b>	<b>0.88 gallon Kit</b>	<b>5 gallons Kit</b>
<i>KethaPol-2000 HB</i>	10.4 lbs. (4.7 kg.)	64.0 lbs. (29.0 kg.)
<i>SolvenSany # 258</i> Thinner	9.0 lbs. (4.0 kg.)	41.0 lbs. (19.0 kg.)

#### FLASH POINT (Pensky/Martens Closed Cup) :

	<b>Flash Point</b>
<i>KethaPol-2000 HB P/A</i>	35 °C
<i>SolvenSany # 258</i> Thinner	32 °C
<i>KethaPol-2000 HB P/B</i>	32 °C



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#### SPECIFICATION DATA

• **Solids Content By Volume:** *KethaPol-2000 HB* 57% ± 2%

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

*KethaPol-2000 HB* 23.6 m<sup>2</sup>/Lit. at 25 microns.  
5.9 m<sup>2</sup>/Lit. at 100 microns.

• Mixing and application losses will vary and must be taken into consideration when estimating job requirements. Coverage will be lower over rough surfaces and at higher dry film thicknesses. Heavy applications over organic coatings may result in softening and/or solvent entrapment.

• **Volatile Organic Content (VOC) as supplied \* :**

	<b>Lbs/Gal.</b>	<b>Grams/Lit.</b>
<i>KethaPol-2000 HB</i>	3.20	383 g/l

Thinning utilizing **SolvenSany # 268** Thinner:

<b>% Thinned</b>	<b>Fluid Oz./Gal.</b>	<b>Lbs/Gal.</b>	<b>Grams/Lit</b>
9	11.5	3.5	420

• May vary with color

• **Temperature Resistance** (Non-Immersion)  
Continuous : 200 °F (93 °C)  
Non-Continuous : 250 °F (121 °C)

• **Recommended Dry Film Thickness Per Coat :**

3-5 mils (75-125 microns)  
Recommended 3 mils minimum required for hiding

**Color Standard in :** White, tint base, safety colors

• **Abrasion Resistance:** (ASTM D 4060) Very Good  
• **Humidity Resistance:** (ASTM D 2247) Excellent  
• **Elongation:** (ASTM D 522 Method B) Excellent  
• **Impact Resistance:** (ASTM D 2794) Very Good

• **Gloss** Satin

• **Shelf Life :** Part A : 24 months when stored at 75 °F (25 °C)  
Part B : 12 months when stored at 75 °F (25 °C)

• **Storage Conditions:** Store indoors.  
Temp.: 40 - 110 °F (4 -43 °C)  
Humidity: 0 - 90%

**Primer Required:** Can be used over properly primed surfaces. Normally applied over ZinCoat-400 HS (Inorganic Zinc Primers), epoxies or others as recommended. Please consult the appropriate system guide, the particular job specification or your **SanyChem Coatings'** Industrial Coatings Specialist for proper systems using this product.

**NOTE:** A mist coat of *KethaPol-2000 HB* is required when applying material over inorganic zinc primers.

**Topcoat Required:** Normally none

# 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 with clean rags soaked in **SolvenSany # 252 Thinner** in accordance with SSPC-SP-1-82.

**Steel:** Apply over clean, dry recommended primers.

**Previously Painted Surfaces:** Old coatings should be tested for lifting. If lifting occurs, remove them. Otherwise scuff sand glossy areas and aged epoxy coatings. Clean aged epoxy or urethane coatings with MetalCleaner # 100. Remove cracked and peeling paint. Prime bare areas with a primer specified under **New Surfaces**.

### Mixing:

Mix part A separately, then add Part B in the following proportions and mix thoroughly: Do not mix partial kits.

	0.88 Gal. Kit	5.0 Gal. Kit
<b>KethaPol-2000 HB P/A</b>	Partial filled 1 Gallon Can	Partial filled 5 Gallon Can

<b>KethaPol-2000 HB P/B</b>	1 Pint.	1 Gallon Can
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### Thinning:

May be thinned up to 9% by volume with **Solvensany # 268 Thinner**.

Potlife: four hours minimum at 75 °F (24 °C) and less at higher temperatures. Pot life ends when coating becomes too viscous to use.

**NOTE: MOISTURE CONTAMINATION WILL SHORTEN POT LIFE AND CAUSE GELLATION.**

## Application Equipment

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results. The following equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.



### Application Equipment

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results. General guidelines:

### Spray Application

#### Spray

Use sufficient air volume for correct operation of equipment. Use a 50% overlap with each pass of the gun. On irregular surfaces, coat the edges first, making an extra pass later. May be applied by hot spray (Temperature not to exceed 95 °F (35 °C))

The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.

#### Conventional Spray

Use a 3/8" minimum I.D. material hose. Hold gun approximately 12-14 inches from the surface and at a right angle to the surface.

Mfr. & Gun	Fluid Tip	Air Cap.
DeVilbiss P-MBC or JGA	E	704
Binks #18 or #62	66	63 PE
I.D.	Approx. 0.043" I.D.	

#### Airless Spray

Use 3/8" minimum I.D. material hose. Hold gun approximately 12-14 inches from the surfaces and at a right angle to the surface.

Mfr. & Gun	Pump
DeVilbiss JGN-502	QFA-514 or QFA-519
Binks Model 700	Mercury 5C or B8-36 37:1
Graco 205-591	President 30:1 or Bulldog 30:1

Use a 0.013" - 0.015" tip with 2100 - 2300 psi.  
Filter: 60 mesh

Teflon packings are recommended and available from the pump manufacturer.

## Contact



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

## Phones:



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## DRY TIME (Hours)

### Surface Temp.

40° F (4 °C).

50° F (10 °C)

75° F (24 °C)

90° F (32 °C)

### To Handle or Recoat

20 hours

12 hours

5 hours

1 hour

This time are based on the recommended dry film thickness per coat. Higher film thickness will lengthen cure times.

## APPLICATION CONDITIONS

	Material	Surfaces	Ambient	Humidity
<b>Normal</b>	65-85 °F (18-29 °C)	65-85 °F (18-29 °C)	60 - 85 °F (16-29 °C)	35 - 85 %
<b>Minimum</b>	40 °F ( 4 °C)	40 °F ( 4 °C)	40 °F ( 4 °C)	0 %
<b>Maximum</b>	100 °F ( 38 °C)	110 °F ( 43 °C)	110 °F ( 43 °C)	85 %

Do not apply when the surface temperature is less than 5 °F or 2 °C above the dew point.

**KethaPol-2000 HB** is moisture sensitive in the liquid stage and until fully cured. Protect from heavy humidity, dew and direct moisture contact until fully cured.

May fade when exposed to sunlight. Particularly noticeable in dark colors.



**Brush:** Recommended for touch-up only. Use natural bristle brush applying with full strokes. Avoid rebrushing. Two coats may be required for uniform hiding and film thickness.



**Roller:** Use medium to long nap-roller depending on surface. Thin up to 25% by volume with SolvenSany # 268 Thinner for proper flow-out. Two coats may be required for uniform hiding and film thickness.

## Cleanup & Safety

### Cleanup

Use **SolvenSany #252**. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

### Safety

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.

### 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 vapor 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.

### Caution



This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

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



## Internet:

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