



PRODUCT DATA SHEET
KethaPol® 550
 Interior/Exterior Alkyd Urethane
 Gloss Enamel

GENERIC TYPE:

Single-package, Polyurethane Alkyd Copolymer (Alkyd-Urethane).

DESCRIPTION: *KethaPol-550* is a premium quality interior/exterior alkyd-urethane gloss enamel for use on wood or above grade concrete porches or floors not laid directly on damp or water bearing surfaces. May be used on interior or exterior above grade surfaces. Also good for woodwork, radiators, ornamental iron, boat docks, fire escapes, machinery, equipment, piping, tanks, etc. Features good resistance to abrasion, oils and washing. *KethaPol-550* may be applied over *SanyBond-8000* or may be applied over *SanyMastic-5000* to provide a high performance maintenance system.

FEATURES:

- Durable high gloss finish
- Interior or exterior usage
- Excellent flow and leveling
- Easy application - brush, roll or spray
- Ready for use the day after application
- Resists marring, weathering and water spotting
- Performance alternate for Federal Specifications TT-E-487E, TT-E-489H, TT-E-506K, and TT-E-505A.

Limitations of Use: Not for use in highly alkaline or chemical areas.

RECOMMENDED USES:

KethaPol 550 is suitable for use on structural surfaces or surfaces where there is a possibility of incidental food contact in commercial food preparation establishments, food processing plants and federally inspected meat and poultry plants. USDA no longer requires or furnishes product certification letters. Also recommended as a maintenance finish coat for properly primed pumps, motors, machinery, equipment, piping, hadrails and other similar uses.

NOT RECOMMENDED FOR:

Immersion Service, splash and spillage of very strong solvents, acids or caustic fumes or spillage.

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

APPROXIMATE SHIPPING WEIGHT :

Freight Classification: Paint, Combustible Liquid UN1263, PG III

Packaging:	1 gallon	5 gallons
<i>KethaPol-550</i>	11.0 lbs. (5.0 kg.)	55.0 lbs. (25 kg.)
<i>SolvenSany # 260</i> Thinner	9.0 lbs. (4.0 kg.)	45.0 lbs. (21.0 kg.)
<i>SolvenSany # 276</i> Thinner	9.0 lbs. (4.0 kg.)	45.0 lbs. (21.0 kg.)

FLASH POINT (Pensky/Martens Closed Cup) :

	Flash Point
<i>KethaPol-550</i>	27 °C
<i>SolvenSany # 260</i> Thinner	28 °C
<i>SolvenSany # 276</i> Thinner	41 °C

Topcoat Required: None required.



SPECIFICATION DATA

• **Theoretical Solids Content By Volume:**
KethaPol 550 49% ± 2%
 Theoretical solids content by volume may vary with color.

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

KethaPol 550 19.6 m²/Lit. at 25 microns.
 9.8 m²/Lit. at 50 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 :** 3.21 lbs./gal. (385 g/L)
 varies with color

• **Temperature Resistance** (Non-Immersion)
 Continuous: 180 °F (82 °C)
 Non-Continuous: 220 °F (104 °C)

• **Recommended Dry Film Thickness Per Coat :**
 2 mils (50 microns) per coat.

NOTE: Multiple coats may be required in certain colors for adequate hiding

• **Flexibility:** Excellent
 • **Weathering:** Excellent
 • **Abrasion Resistance:** Good

• **Color Standard in :** Gray TL8002, Gray TL8004, White TL80A1 and White TL8041 are standard. Other colors consult your local SanyChem Representative.

• **Substrates:** Properly primed steel or concrete surfaces.

• **Gloss** High.

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

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

Primed Required: Most alkyds or universal primer (*SanyBond-8000*). 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 test patch is recommended to verify compatibility with existing coatings, to evaluate the adhesion to any existing coatings and the adhesion of existing coatings to the substrate.

TYPICAL CHEMICAL RESISTANCE

KethaPol-550

Exposure	Splash & Spillage	Fumes
Acids	N/R	Very Good *
Alkalies	N/R	Good
Solvents	Poor	Very Good
Salt	Fair	Excellent
Water	Good	Excellent

* Certain colors may discolor

January 2001 replaces April 1998

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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:

All surfaces must be sound, dry, clean and free of oil, grease, dirt, mildew, form release agents, curing compounds, loose and flaking paint and other foreign substances.

New Surfaces: Concrete (concrete floors) and Masonry - Do not use on floors subject to dampness from the ground. Cure at least 30 days before painting. pH must be 10.0 or lower. Roughen unusually slick poured or precast concrete by acid etching or sandsweeping. Follow acid manufacturer's application and safety instructions. Rinse thoroughly with water and allow to dry. Remove loose aggregate. Prime properly prepared concrete floors less than one year old with solventborne primer **MembraCoat-100**.

Wood - Prime with this product.

Steel - Prime with solventborne metal primer **KoraPrimer-290** or **KoraPrimer-400**.

Galvanized Metal and Aluminum - Prime with metal primer **SanyBond-WP100** or **SanyBond-8000**.

Previously Painted Surfaces: Wash to remove contaminants. Rinse thoroughly with water and allow to dry. Dull glossy areas by light sanding. Remove sanding dust. Remove loose paint. Scrub heavy chalk exterior areas and overhead areas such as eaves with soap and water. All existing mildew must be removed by washing with a solution of 16 oz. (473 mL) liquid household bleach and two oz. (59 mL) non-ammoniated liquid detergent per gallon (3.785 L) of water. Rinse surfaces clean with water and allow to dry for 24 hours. Prime bare areas with primer specified under **New Surfaces**.

Mixing: Power mix until uniform in consistency.

Thinning: Thin up to 15% by volume with **SolvenSany # 260** Thinner for spray applications. For brush or roller, use **SolvenSany # 276** Thinner up to 10% by volume.

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.

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	FX	704
Binks #18 or #62 I.D.	63B	63 PB
	Approx. 0.043" I.D.	

Airless Spray Use 3/8" minimum I.D. material hose. Hold gun approximately 18-20 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" - 0.017" tip with 2100 - 2200 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.

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Drying Time: At 50% R.H. Low temperature, high humidity, thick films or poor ventilation will increase these times.

Surface Temperature	Dry to Touch	Dry Hard
50 °F (10 °C)	4 hours	24 hours
75 °F (24 °C)	1-2 hours	18-20 hours
90 °F (32 °C)	45 minutes	12-14 hours

This time are based on the recommended dry film thickness per coat of 2 mils (50 microns). Higher film thickness will lengthen cure times.

APPLICATION CONDITIONS

	Material	Surfaces	Ambient	Humidity
Normal	60 - 90 °F (16 - 32 °C)	70 - 90 °F (21 - 32 °C)	50 - 85 °F (10 - 29 °C)	50 %
Minimum	40 °F (4 °C)	40 °F (4 °C)	40 °F (4 °C)	5 %
Maximum	110 °F (43 °C)	165 °F (74 °C)	100 °F (38 °C)	95 %

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



Brush or Roller: Thinning not normally required, when necessary, thin up to 10% by volume with **SolvenSany # 276** Thinner. Use natural bristle brush, apply with full strokes. Avoid rebrushing. Use short nap mohair roller with phenolic core. Avoid rerolling. Multiple coats may be required when applied by brush or roller to provide uniform hiding.

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



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