



PRODUCT DATA SHEET

KoraGloss® - 500 HS

Low VOC Alkyd Industrial Gloss Enamel

GENERIC TYPE:

Single coat, phenolic Modified Alkyd

DESCRIPTION: *KoraGloss-500 HS* is a premium quality low VOC alkyd gloss enamel for use on machinery, equipment, piping and tanks. Toughness and fast dry provide maintenance with minimum plant interruption. Free of mercury, lead and chromate hazards.

FEATURES:

- Durable high gloss finish
- Interior or exterior usage
- Protects against atmospheric corrosion
- Excellent flow and leveling
- High hiding
- Washable and scrubable
- Good abrasion resistance
- Easy application - brush, roll or spray
- Excellent resistance to grease, oil and water
- High solids and low VOC

RECOMMENDED USES:

KoraGloss-500 HS coating is ideal for safety equipment and pipe identification. Also suitable for use as a fast dry coating for general plant maintenance. As a single component interior and exterior finish for use over properly prepared metal, wood and masonry. Typically piping, tank exterior, railcars, miscellaneous metal parts and various types of equipment. May be used over most alkyd primers and many other generic types.

Typical Uses: Ideal for safety equipment and pipe identification. Provides excellent protection to metal surfaces as well as masonry, wood and wallboard. Also used as a trim enamel.

NOT RECOMMENDED FOR:

Immersion service, or splash and spillage of acids, alkalis, or solvents.

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 (3.785L)	5 gallons (18.925L)
<i>KoraGloss-500 HS</i>	11 lbs. (5 kg.)	54 lbs. (24.5 kg.)
<i>SolvenSany # 276</i> Thinner	6.6 lbs. (3 kg.)	33 lbs. (15 kg.)

Shipping Weight: 4 gallon case - 44 lbs. (20 kg)
5 gallon pail - 54 lbs. (24.5 kg)

FLASH POINT (Pensky/Martens Closed Cup) :

	Flash Point
<i>KoraGloss-500 HS</i>	53 °F (12 °C)
<i>SolvenSany # 276</i> Thinner	105 °F (41 °C)



SPECIFICATION DATA

- **Solids Content By Volume:** *KoraGloss-500 HS* 50% ± 2%
 - **Theoretical Coverage Rate per Gallon: ***
KoraGloss-500 HS 20 m² / Lit at 25 microns
 - Mixing and application losses will vary and must be taken into consideration when estimating job requirements.
 - **Volatile Organic Content (VOC) as supplied * :**
KoraGloss-500 HS 2.80 lbs./gal. (340 g/L)
- | Thinned: | Fluid Ounces/Gal. | Lbs./Gal. | Grams/Liter |
|----------|-------------------|-----------|-------------|
| %Thinner | | | |
| 10 | 13 | 2.4 | 288 |
- * May vary with color
- **Temperature Resistance** (Non-Immersion)

Continuous	:	189 °F (73 °C)
Non-Continuous	:	202 °F (95 °C)
 - **Recommended Dry Film Thickness Per Coat :**

2.0 - 2.3 mils (50-58 microns)	dry
4.0 - 4.6 mils (100-115 microns)	wet
 - **Color Standard in :** Available in a variety of colors.
 - **Gloss** High
 - **Substrates:** Apply over suitably prepared steel, concrete or others as recommended.
 - **Shelf Life :** 12 months when stored at 75 °F (25 °C)
 - **Storage Conditions:** Store indoors.
Temp.: 40 - 110 °F (4 - 43 °C)
Humidity: 0 - 100%

Topcoat Required: None. Optional second coat will give a longer service life. Please consult the appropriate system guide, the particular job specification or your **SanyChem Coatings'** Industrial Coatings Specialist for proper systems using this product. Systems must be selected considering the particular environment involved.

Specific recommendations do not topcoat directly with coatings containing strong solvents like epoxies or vinyls.

TYPICAL CHEMICAL RESISTANCE

Exposure	Splash & Spillage	Fumes
Acids	NR	Fair
Alkalies	NR	Fair
Solvents	NR	Fair
Salt	Excellent	Excellent
Water	Excellent	Excellent

January 2001 replaces April 1998

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact **SanyChem** Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to **SanyChem** quality control. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SANYCHEM, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. **SanyChem** and **KoraGloss** are registered trademarks of **SanyChem** Company.

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 clean and dry prior to coating. Remove any oil or grease with clean rags soaked in **SolvenSany # 252 Thinner** in accordance with SSPC-SP-1-82 or power wash with **SanyChem MetalCleaner # 100** diluted in water and rinse.

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

NON IMMERSION SERVICE:

New Surfaces:

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

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

Wood - Interior, prime with alkyd primer. Exterior, spot prime knots with latex primer **KoraTex-640**. Prime entire surface with alkyd primer **KoraPrimer-400**.

Drywall: Prime with latex primer **KoraTex-640**.

Concrete, Plaster and Masonry - Cure at least 30 days before painting. pH must be 10.0 or lower. Remove laitance and 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.

Interior - prime with latex primer **KoraTex-640**.

Exterior - prime with latex primer. Fill block with latex filler.

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. Prime severely weathered exterior surfaces with alkyd primer **KoraPrimer-290** or **KoraPrimer-400**. Surfaces in good condition generally may be done with one coat.

Previously painted glossy finish should be sanded to degloss and roughen overcoating.

Mixing: Power Mix to a uniform consistency before thinning.



Thinning:

Spray: May be thinned up to 5-10% by volume with **SolvenSany # 276**.

Application: Mix thoroughly before use. May be applied by brush, roll or spray. No thinning required. Brushing and rolling may require multiple coats to achieve correct film thickness and/or hiding.

For airless spray use a .013" tip. Adjust pressure as needed. Do not apply in damp weather or when surface or air temperature is below 40°F (4°C). Two coats will provide best durability and uniformity. Surfaces coated with this product may become slippery when wet. For additional slip resistance in areas of pedestrian traffic, add one pound per gallon of coarse pumice or other texturing material.

Important: Alkyd or oil-based enamels may yellow in time in the absence of light.

Spreading Rate: Apply at 350-400 sq. ft./gal. (9-10 m²/L) or 4.0-4.6 mils wet (2.0-2.3 mils dry). Actual coverage may vary depending on substrate and application method. For best hiding, tint primers toward finish coat color. Certain shades of yellow, orange, pink and red may require multiple coats.

Contact



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

Phones:



+58-212-6313092 | +58-414-3142752 | Fax: +58-212-6312441

SanyChem, Inc

600 N Pine Island Road # 450 Plantation, FL 33324-1311
Phone +1-954-315-0252 / +1-800-432-0607 / Fax: +1-954-315-0280

Drying Time:

Dry Time @ 77°F (25°C) & 50% RH:

To touch	1-2 hour
To handle	4-6 hours
To recoat	Overnight

These times are based on recommended dry film thickness. Excessive film thickness or inadequate ventilating conditions after application require longer dry times and will cause premature failure in extreme cases.

APPLICATION CONDITIONS

	Material	Surfaces	Ambient	Humidity
Normal	10 – 32 °C	13 – 32 °C	13 – 38 °C	30 – 95 %
Minimum	2 °C	2 °C	2 °C	0 %
Maximum	49 °C	74 °C	49 °C	98 %

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



Brush & Roller

Use a medium bristle brush applying with full strokes. Use medium nap roller. Avoid rebrushing or rerolling.

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:

www.sanychem.com
sanychem@cantv.net
sales@sanychem.com

