



# PRODUCT DATA SHEET

## KoraGloss® - 180

Low VOC Interior Alkyd Finish

**GENERIC TYPE:**

Single coat, rust inhibitive interior alkyd finish

**DESCRIPTION:** *KoraGloss-180* is a rust inhibitive, self priming finish coat that will bond to and protect a variety of substrates. Normally a single coat will provide a uniform color. *KoraGloss-180* is a premium quality alkyd flat coating 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:**

- Low VOC
- Lead and Chromate-free
- Durable flat finish
- Protects against atmospheric corrosion
- Excellent flow and leveling
- High hiding
- Good abrasion resistance
- Easy application - brush, roll or spray
- Excellent resistance to grease, oil and water

**RECOMMENDED USES:**

*KoraGloss-180* coating is ideal for interior structural steel, piping, tankage, equipment, metal doors and other steel work in non-chemical or non immersion service. Ideal for safety equipment and pipe identification. Provides excellent protection to metal surfaces as well as masonry, wood and wallboard. *KoraGloss-180* is an excellent choice as a single uniform color coat for interior overhead structures including primed structural steel piping and steel supports, aluminum and galvanized duct work, concrete, and wood. May be use as a self priming finish for structural steel.

**NOT RECOMMENDED FOR:**

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

**COMPATIBLE COATINGS:**

Topcoat not required with *KoraGloss-180* but may be topcoated with alkyd, Latex and other finishes as recommended by **SanyChem Technical 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>1 gallon (3.785L)</b>	<b>5 gallons (18.925L)</b>
<i>KoraGloss-180</i>	14 lbs. (6.2 kg.)	66 lbs. (30.7 kg.)
<i>SolvenSany # 276</i> Thinner	9 lbs. (4.1 kg.)	45 lbs. (20.4 kg.)

<b>Shipping Weight:</b>	4 gallon case - 56 lbs. (24.8 kg)
	5 gallon pail - 66 lbs. (20.4 kg)

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

	<b>Flash Point</b>
<i>KoraGloss-180</i>	84 °F (29 °C)
<i>SolvenSany # 276</i> Thinner	105 °F (41 °C)



**SPECIFICATION DATA**

- **Solids Content By Volume:** *KoraGloss-180* 59% ± 2%
  - **Theoretical Coverage Rate per Gallon: \***

<i>KoraGloss-180</i>	23.6 m <sup>2</sup> / Lit at 25 microns
	11.8 m <sup>2</sup> / Lit at 50 microns
  - Mixing and application losses will vary and must be taken into consideration when estimating job requirements.
  - **Volatile Organic Content ( VOC ) as supplied \* :**

<i>KoraGloss-180</i>	2.65 lbs./gal. (318 g/L)
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- | Thinned:        | Fluid Ounces/Gal. | Lbs./Gal. | Grams/Liter |
|-----------------|-------------------|-----------|-------------|
| <b>%Thinner</b> |                   |           |             |
| 8               | 10                | 2.90      | 348         |
- \* May vary with color
- **Temperature Resistance** ( Non-Immersion )
 

Continuous	:	200 °F (93 °C)
Non-Continuos	:	250 °F (121 °C)
  - **Recommended Dry Film Thickness Per Coat :**

1 Coat <i>KoraGloss-180</i>	2 mils (50 microns)
	3.7 mils (87.5 microns)
  - **Color Standard in :** White, other colors on special order.
  - **Gloss** Flat
  - **Substrates:** Apply over suitably prepared steel, concrete or others as recommended.
  - **Shelf Life :** 24 months when stored at 75 °F (25 °C)
  - **Storage Conditions:** Store indoors.  
Temp.: 40 - 110 °F (4 -43 °C)  
Humidity: 0 - 100%

**Topcoat Required:** May be topcoated with **SanyChem** Alkyds, Silicone-Alkyds, or other 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. 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	Poor	Fair-Poor
Alkalies	NR	Poor
Solvents	Poor	Fair-Poor
Salt	Very Good	Very Good
Water	Excellent	Excellent

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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 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.

### NON IMMERSION SERVICE:

**New Surfaces: Steel** - Best results are obtained over a surface sandblasted to a Commercial Blast (SSPC-SP6-85). Performance over hand or power-tool cleaned surfaces is dependent on the degree of cleaning. Prime with this product.

**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 areas and overhead areas such as eaves with soap and water. Remove all mildew 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. All areas failed by rusting, peeling, blistering, etc., shall be wire brushed and scraped to remove all loose or loosely adhering material. Prime bare areas with primer specified under

**New Surfaces:** For optimum performance in more corrosive areas, entire surface should be abrasive blast cleaned and primed with this product.

**Concrete:** Concrete must be cured at 28 days at 70 °F (21 °C) and 50% R.H. or equivalent.

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

**Mixing:** Power Mix to a uniform consistency before thinning.

### Thinning:

**Spray :** Thinning normally not required, but may be thinned up to 8% by volume with **SolvenSany # 276**.

**Brush or Roller:** May be thinned up to 8% by volume with **SolvenSany # 276**.

## 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

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

**Conventional 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	Fluid Tip	Air Cap.
DeVilbiss P-MBC or JGA	FF	704
Binks #18 or #62	63C	63 BB
I.D.	Approx. .052"	

**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 JGB-507	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 .013" - .017" tip with 2000 psi.

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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## DRYING TIMES

Surface Temp. & 50% RH	Dry to Recoat	Final Cure
40 °F ( 4 °C)	48 hrs	5 Days
50 °F ( 10 °C)	36 hrs	4 Days
60 °F ( 16 °C)	24 hrs	3½ Days
75 °F ( 24 °C)	12 hrs	3 Days
90 °F ( 32 °C)	8 hrs	2½ Days

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 medium bristle brush or short nap mohair roller cover. 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:

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