



PRODUCT DATA SHEET

KoraPrimer® - 290

Low VOC Alkyd Metal Primer

GENERIC TYPE:

Multi-inhibitive pigmented, Soya modified Alkyd Primer.

DESCRIPTION: *KoraPrimer-290* is a high quality, low VOC rust-inhibitive lead and chromate free red oxide alkyd primer used for general purpose shop or field priming. *KoraPrimer-290* has selected penetrating oils and inhibitive pigments which permit the coating to bond tightly to non-sablasted surfaces and protect the surface from further corrosion for extended periods.

FEATURES:

- Low VOC
- Corrosion resistant
- Interior or exterior usage
- Production and shop coat primer
- Very good flexibility

RECOMMENDED USES:

KoraPrimer-290 coating is ideal for interior or exterior structural steel, piping, tankage, equipment, metal doors, handrails, and other steel work in non-chemical or non immersion service. As a prime Coat usually applied to steel structures in the field, such Tank exteriors, Machinery, Equipment, Pipe exteriors, Pipe racks, Bar joist, and other ferrous surfaces not exposed to severe chemical attack.

NOT RECOMMENDED FOR:

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

COMPATIBLE COATINGS:

KoraPrimer-290 Primer may be applied directly to substrate. Non-ferrous surfaces and new galvanizing require a wash coat of *SanyBond-WP100*.

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>KoraPrimer-290</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.)
<i>SolvenSany # 292</i> Thinner	9 lbs.(4.1 kg.)	45 lbs. (20.4 kg.)

Shipping Weight: 4 gallon case - 56 lbs. (24.8 kg)
5 gallon pail - 62 lbs. (30.7 kg)

FLASH POINT (Pensky/Martens Closed Cup) :

	Flash Point
<i>KoraPrimer-290</i>	84 °F (29 °C)
<i>SolvenSany # 276</i> Thinner	105 °F (41 °C)
<i>SolvenSany # 292</i> Thinner	40 °F (4 °C)



SPECIFICATION DATA

- **Solids Content By Volume:** *KoraPrimer-290* 59% ± 2%
- **Theoretical Coverage Rate per Gallon: ***

<i>KoraPrimer-290</i>	24 m ² / Lit at 25 microns
	12 m ² / 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>KoraPrimer-290</i>	2.82 lbs./gal. (338 g/L)
-----------------------	--------------------------
- **Temperature Resistance** (Non-Immersion)

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

1 Coat <i>KoraPrimer-290</i>	2 mils (50 microns)
------------------------------	---------------------
- **Color Standard in :** *KoraPrimer-290* : Brick Red and Gray.
- **Gloss** Flat
- **Substrates:** Apply over suitably prepared steel, concrete or others as recommended.
- **Flexibility:** Good
- **Abrasion Resistance:** Good
- **Weathering:** Excellent
- **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 (With Suitable Topcoat)

Exposure	Splash & Spillage	Fumes
Acids	Poor	Fair- Poor
Alkalies	NR	NR
Solvents	Poor	Fair- Poor
Salt	Very Good	Very Good
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 *KoraPrimer* 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:

Remove any oil or grease from surface to be coated with clean rags soaked in **SolvenSany # 252** in accordance with **SSPC-SP-1-82**.

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 - Best results are obtained over a surface sandblasted to a Commercial Blast (SSPC-SP6). 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.

Mixing: Power Mix to a uniform consistency before thinning.

Thinning:

Spray : May be thinned up to 25% by volume with **SolvenSany # 292** for spray application.

Brush: May be thinned up to 10% by volume with **SolvenSany # 276** for brush application.

Tinting: Do not tint.

Spreading Rate: Apply at 473-631 sq. ft./gal. (12-15 m²/L) or 2.5-3.4 mils wet (1.5-2.0 mils dry). Actual coverage may vary depending on substrate and application method.

Application: Do not paint in damp weather or when the surface or air temperature is below or expected to be below 50°F (10°C). Brushing and rolling may

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:



+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 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	3 ½ Days
75 °F (24 °C)	12 Hrs	3 Days
90 °F (32 °C)	8 Hrs	2 ½ Days

Drying Times: 2 mils (50 microns) DFT at 50% RH.

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.

Final cure requirement varies depending on exposure. Consult SanyChem Technical Service for specific recommendations.

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 clean, short-bristled brush or 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