



PRODUCT DATA SHEET
KoraTex® - 750
 Waterborne Acrylic Metal Primer

GENERIC TYPE:

Single component water-borne acrylic primer.

DESCRIPTION: *KoraTex-750* is an advanced technology, premium quality, Satin waterborne acrylic coating for use as a protective maintenance rust inhibitive direct-to metal (DTM) primer. Bonds to clean glossy, hard surfaces such as aged oil base or alkyd enamels without sanding. Is a high performance, direct-to-metal acrylic primer which can tolerate a variety of topcoats. *KoraTex-750* has exceptional film strength and chemical resistance.

FEATURES:

- Direct-to-metal or masonry primer
- Multiple surface usage - interior and exterior steel, masonry or interior wood
- Excellent resistance to flash rusting
- Ideal for shop applications
- Low VOC
- Low odor and water clean-up
- Fast dry and recoat
- Authorized by USDA for Incidental Food Contact.
- Excellent Corrosion resistant and Flexibility
- Easy application by brush, roll or spray
- Performance alternate for Federal Specifications MIL-P-28577B and TT-P-1975

RECOMMENDED USES:

Ideal for the exterior of tanks, metal buildings, structural steel, piping, handrails and masonry construction. Can be applied directly to interior or exterior steel, weathered or properly cleaned galvanized steel and masonry in institutional, residential, and light industrial areas. As a primer for applications requiring a VOC compliant primer such as railcar, Tank exteriors and structural steel. Can be used as a two or three coat all acrylic system with *KoraTex-700* topcoat.

NOT RECOMMENDED FOR:

Immersion Service, Direct or indirect exposure to acids or alkalis without a suitable topcoat. Containment of aromatic solvents, strong mineral and organic acid or severely corrosive materials.

COMPATIBLE COATINGS:

May be applied over most tightly adhering coatings. Normally topcoated with *KoraTex-700*. For specific topcoat recommendations, please consult your *SanyChem* Technical Service.

NOTE: A mist coat or tie is required to minimize topcoat bubbling.

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>KoraTex-750</i>	11.0 lbs.(5.0 kg.)	53.0 lbs. (24.0 kg.)
<i>MetalCleaner # 100</i>	N/A	48.0 lbs. (21.8 kg.)

FLASH POINT (Pensky/Martens Closed Cup) :

	Flash Point
<i>KoraTex-750</i>	> 93 °C
<i>MetalCleaner # 100</i>	> 100 °C

SPECIFICATION DATA

- **Solids Content By Volume :** 37% ± 2%
 - **Theoretical Coverage Rate per Gallon: ***
 - 579 mil ft² (14.1 m² / l at 25 microns)
 - 192 mil ft² (4.7 m² / l at 75 microns)
 - Mixing and application losses will vary and must be taken into consideration when estimating job requirements.
 - **Volatile Organic Content (VOC) as supplied :**
 - EPA METHOD 24**
 - 172 g/L.
 - These are nominal values.
 - **Temperature Resistance (Non-Immersion Service):**
 - Continuous: 235°F (113 °C)
 - Non-Continuous: 400°F (204 °C)
 - NOTE:** At 250 °F and above, slight discoloration and loss of gloss is observed
 - **Recommended Dry Film Thickness Per Coat and system:**
 - 2-3 mils (50-75 microns).
 - NOTE:** Additional thickness may be required over rough surfaces for appearance. Dry Film Thickness in excess of 3 mils/coat is not recommended.
 - **Color Standard in :** Salmon and Buff
 - **Gloss** Satin
 - **Substrates:** Apply over suitably prepared steel, Concrete or other surfaces as recommended.
 - **Shelf Life : *KoraTex-750*** 24 months when stored at 75 °F (25 °C)
- Storage Conditions:** KEEP FROM FREEZING
Store indoors.
Temp.: 40 - 110 °F (4 -43 °C)
Humidity: 0 - 100%



CHEMICAL RESISTANCE GUIDE <i>KoraTex-750</i>		
Exposure	Splash & Spillage	Fumes
Acids	Very Good	Excellent
Alkalies	Very Good	Excellent
Solvents	Fair	Good
Water	Excellent	Excellent
Salt	Excellent	Excellent

* With appropriate topcoat



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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: Remove any oil or grease from surface to be coated with clean rags soaked in **SolvenSany # 252** Thinner or **MetalCleaner # 100** in accordance with SSPC-SP-1.

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. If rust staining occurs, apply a second coat of this product

Galvanized Metal and Aluminum – Prime with this product. New or aged galvanized should be lightly sanded to remove sheen and/or surface deposits.

Concrete, Plaster and Masonry – Must cure at least 30 days before painting. pH must be 10.0 or lower. Roughen slick poured or precast concrete and remove sealers by chemical cleaning or abrasive method such as sandsweeping. Rinse thoroughly with water and allow to dry. Remove loose aggregate. Prime with this product. Can be applied direct to concrete where an uneven surface can be tolerated. Remove laitance by abrasive blasting or other means.

Previously Painted Surfaces: Wash to remove contaminants. Rinse thoroughly with water and allow to dry. Sanding is not required if the surface is properly and thoroughly cleaned (scuff sanding is required only on glossy, hard, slick or dense surfaces which are subject to high levels of moisture). 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**. May be used self primed over previously painted interior surfaces.

Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as properly fitted respirator (NIOSH approved) and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1- 800-424-LEAD.

Mixing Power mix until uniform in consistency. Avoid excessive air entrainment.

Thinning: Designed to be used as supplied. If thinning is necessary, it may be thinned up to 12 oz/gal (9%) with potable water. Use of thinners other than those supplied or recommended by SanyChem may adversely affect product performance and void product warranty, whether expressed or implied.

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 sufficient air volume for correct operation of equipment. Use 50% overlap with each pass of the gun. On irregular surfaces, coat the edges first, making an extra pass later. Pressure pot equipped with dual regulations, 1/2 I.D. minimum material hose, 0.086" I.D. fluid Tip and appropriate Air Cap.

Airless Spray

Graco Silver or Equivalent
 Pump Ratio: 30:1 (min.)
 GPM Output: 3.0 (min.)
 Material Hose: 3/8" I.D. (min.)
 Tip Size: .017-.019"
 Output PSI: 1800-2200
 Filter Size: 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:



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

SanyChem, Inc

750 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

Temperature & 50% R.H.	Dry to Touch	Dry to Topcoat Water Based	Dry to Topcoat Solvents Based	Full Cure
10 °C	3 hours	12 hours	12 hours	28 days
16 °C	3 hours	4 hours	4 hours	14 days
24 °C	1 hour	1 hour	1 hour	7 days
32 °C	1hour	1 hour	1 hour	4 days

These times are based on recommended dry film thickness. High humidity, high film thickness or cooler temperatures will lengthen dry to handle/topcoat and final cure due to slower water evaporation rate.

APPLICATION TEMPERATURES

Conditions	Material	Surfaces	Ambient	Humidity
Normal	16-32 °C	18 -29 °C	18–32 °C	10-80%
Minimum	10 °C	10 °C	10 °C	0 %
Maximum	40 °C	54 °C	43 °C	85 %

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



Brush: Use a synthetic bristle brush. Two coats will be required in order to achieve desired film thickness and acceptable hiding.



Roller: Use a short woven nap synthetic roller and apply over smooth wall surfaces and smooth concrete. For rough surfaces, cinder block or very porous surfaces, use a 3/8" woven nap synthetic roller. Multiple coats may be required for uniform hiding and film thickness over rough surfaces.

Cleanup & Safety

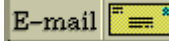
Cleanup

Use **Clean potable water**. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

WARNING! HARMFUL OR FATAL IF SWALLOWED. ASPIRATION HAZARD-CAN ENTER LUNGS AND CAUSE DAMAGE. HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DIZZINESS, HEADACHE OR NAUSEA. CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. CAUSES EYE BURNS. CONTAINS CRYSTALLINE SILICA WHICH CAN CAUSE LUNG CANCER AND OTHER LUNG DAMAGE IF INHALED. OVEREXPOSURE MAY CAUSE BLOOD, LIVER, KIDNEY DAMAGE. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.

NOTICE: Products in this series contain solvents. Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. **Products in this series may contain chemicals subject to California Proposition 65.** If sanding is done, wear a dust mask to avoid breathing of sanding dust. Do not breathe vapors or spray mist. If you experience eye watering, headaches, or dizziness, leave the area. If properly used, a respirator may offer additional protection. Obtain professional advice before using. Close container after each use. **FIRST AID:** In case of skin contact, wash off quickly with plenty of soap and water, remove contaminated clothing. For eye contact flush immediately with large amounts of water, for at least 15 minutes. **Obtain emergency medical treatment.** If swallowed, obtain medical treatment immediately. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, get medical help. **KEEP FROM FREEZING. Note: These warnings encompass the product series. Prior to use, read and follow product-specific MSDS and label information.**

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



Internet:

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