



PRODUCT DATA SHEET
KoraTex - 700
 Waterborne Acrylic
 Acrylic Maintenance Finish

GENERIC TYPE:

Waterborne Acrylic

DESCRIPTION: *KoraTex – 700* A 100% acrylic, industrial grade finish coat developed for use over properly primed steel, masonry and wood surfaces. It is non-yellowing and has excellent durability, flexibility and color retention in mild to moderate industrial environments. *KoraTex – 700* is a durable, high performance acrylic topcoat for use where excellent weathering properties and chemicals resistance are required

FEATURES:

- Excellent Corrosion protection
- Universal Topcoat with low odor
- Easily applied by brush, roller or spray
- Dries fast, recoat in 1 hour
- Excellent durability and weatherability
- VOC compliant to current AIM regulations

RECOMMENDED USES:

Formulated for use as a finish coat on properly primed or previously painted interior and exterior structural steel, steel storage tanks, galvanized metal, wood, aluminum, and masonry surfaces. As topcoat for a variety of primer where a VOC compliant topcoat is required such railcars, tank exteriors and structural steel.

NOT RECOMMENDED FOR:

Do not use in immersion service

SUBSTRATES:

Apply over properly prepared gypsum board, plaster, wood, masonry, ceramic, tile, metal, PVC, galvanized metal or other surfaces as recommended



SPECIFICATION DATA

- **Solids Content By Volume:** 36% ± 2%
- **VOC Values As supplied:** 1.15 lbs/gal (139 g/l)
These are nominal values

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

579 mil ft². (14.1 m²/l at 25 microns)

* Mixing and application losses will vary and must be taken into consideration when estimating job requirements.

• **Temperature Resistance (Non-Immersion)**

Continuous : 200 °F (93 °C)

Non-Continuous: 250 °F (121 °C)

Discoloration and loss of gloss is observed above 250°F (121°C)

• **Dry Film Thickness per Coat**

2 - 3 mils (50 - 75 microns)

* Certain colors may require multiple coats for adequate hiding. Dry film thickness in excess of 3 mils (75 microns) per coat is not recommended.

• **Color Standard in :** Available in a variety of colors

• **Gloss:** SeniGloss

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

Storage Conditions: Store indoors.

Temp.: 40 - 110 °F (4 -43 °C)

Humidity: 0 - 95%

TYPICAL CHEMICAL RESISTANCE

Exposure	Splash & Spillage	Fumes
Acids	Very Good	Excellent
Alkalies	Very Good	Excellent
Solvents	Fair	Good
Salt	Excellent	Excellent
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:

Apply over clean, dry recommended primer. Remove all dirt, oil, grease and contaminants in accordance with SSPC-SP1 with clean rags soaked in **SolvenSany # 252** or **MetalCleaner # 100**.

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

Thinning: Thinning not normally required. **KoraTex - 700** is designed to be used as supplied. If thinning is necessary, use only clean potable water and no more than 6 oz/gal. Areas with cool substrate and warm ambient condition can experience a surface skinning and separation. Under these conditions, the use of 6-12 oz/gal of SolvenSany # 308.

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.

Spray : Pre-rinse equipment with undiluted MetalCleaner # 100 followed by clean potable water before spraying.

Conventional Spray : Pressure pot equipped with dual regulators, 1/2" I.D. Minimum material hose, 0.086" I.D. Fluid tip and appropriate air cap.

Airless Spray : Flush airless lines with water. Equipment must be clean prior to start. Apply the product in even coats and maintain a wet edge. Use multiple passes to achieve film build. Allow the product to dry between coats. Pump Ratio: 30:1 (min)

Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
0.017" to 0.019"	1800 - 2200 PSI	1/2" - 3/8"	60 mesh

Brush or Roller: A good quality synthetic brush will make application easier. Select a roller cover suited for the texture of the surface to be coated. Apply product in full even coats. Maintain a wet edge. To insure adequate film build, two coats are recommended when applying by brush or roller (see the drying times chart for recoat period).

The **KoraTex-700 Acrylic** film forming process may require several weeks at 75 °F with proper ventilation to develop adhesion and water resistance. High humidity, high film thickness, insufficient or cooler temperature will lengthen dry to handle/topcoat times due to slower water evaporation rate. Waterborne acrylics are sensitive to moisture during early cure and are susceptible to handling damage.

COMPATIBLE COATINGS:

May be applied over a variety of primers including inorganic Zinc, Alkyds, Acrylics, Epoxies, Vinyls and Polyurethanes. Consult **SanyChem** Technical Service Department for specific recommendation.

Contact



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

Phones:



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APPLICATION CONDITIONS

	Material	Surfaces	Ambient	Humidity
Normal	60 – 90 °F (16 – 32 °C)	65 – 85 °F (18 – 29 °C)	65 – 90 °F (16 – 32 °C)	10 – 80 %
Minimum	45 °F (7 °C)	50 °F (10 °C)	50 °F (10 °C)	0 %
Maximum	105 °F (41 °C)	130 °F (54 °C)	110 °F (43 °C)	85 %

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

Drying Time* (hours) At 70°F (21°C) [ASTM D1640] - 83 Reapproved 1989	Set to Touch ½ to 2 hours	Recoat 2 - 4 hours
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* Dry times and dryfall performance vary with surface temperature, air temperature, air movement, humidity and film thickness. Hot surface temperatures can cause overspray to fuse to an adjacent substrate. Remove overspray from hot surfaces immediately!

** Coverage rates are estimates based on the products volume solids and make no allowance for material loss during application. Actual spread rates may vary dependent on applicator experience, surface porosity and texture.

These times are based on a 1 mil per coat (25 microns) dry film thickness. Higher film thickness, insufficient ventilation or cooler temperatures will require longer cure times.

Cleanup & Safety

Cleanup: Spray equipment should be flushed with water followed by mineral spirits. Brushes and rollers should be cleaned immediately after use with soap and water. If **KoraTex - 700** dries before it is cleaned up, use a heavy-duty ammoniated household cleaner and rinse thoroughly with water. 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. Use adequate ventilation and wear gloves or use protective cream on face and hands if hypersensitive. Keep container closed when not in use. Paint Products contain chemical ingredients which are considered hazardous. Prior to use, read container label warnings and the current Material Safety Data Sheet for important health and safety information. Insure these instructions are practiced during product application and cure. **Keep out of the reach of children.**



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