**DESCRIPTION**

High Gloss Polyurethane is a heavy-duty, high performance, two-component, interior/exterior, high solids, polyester-aliphatic urethane. When properly cured, this product dries to a tough, high gloss, flexible finish with excellent gloss and color retention and it is designed to withstand aggressive industrial environments.

**RECOMMENDED USES**

For use over prepared metal and masonry surfaces in industrial environments such as:
- Tank exteriors
- Pipelines
- Structural steel
- Bridges
- Marine vessels
- Conforms to AWWA D102-97 Outside Coating Systems #5 & #6

**SPECIFICATIONS**

**Steel:**
- 1-2 cts. Industrial Epoxy Primer (K00023500) @ 1.8 – 2.2 mils df/t ct.
- 1-2 cts. High Gloss Polyurethane (K408 Series) @ 1.25 – 1.5 mils df/t ct

**Concrete/Masonry - Vertical:**
- 1 ct. Heavy Duty Block Filler (K00261646) @ 10.0 – 30.0 mils df/t ct.
- 1-2 cts. High Gloss Polyurethane (K408 Series) @ 1.25 – 1.5 mils df/t ct

**Galvanizing:**
- 1 ct. High Build Surface Tolerant Epoxy Primer (K06869842) @ 4.0 – 6.0 mils df/t ct.
- 1-2 cts. High Gloss Polyurethane (K408 Series) @ 1.25 – 1.5 mils df/t ct

**APPLICATION**

**APPLICATION CONDITIONS**

**Temperature:** 40°F minimum, 100°F maximum (air, surface, and material). At least 5°F above dew point.

**Relative humidity:** 75% maximum.

**APPLICATION EQUIPMENT**

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

**Reducer/Clean-up:** Polyurethane Reducer, K04089409

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APPLICATION PROCEDURES

• Surface preparation must be completed as indicated.
• Mix contents of each component thoroughly with power agitation. Make certain no pigment remains on the bottom of the can. Then combine three parts by volume of Part A with one part by volume of Part B. Thoroughly agitate the mixture with power agitation. Allow the material to sweat-in as indicated. Re-stir before using.
• If reducer is used, add only after both components have been thoroughly mixed, after sweat-in.
• Apply paint at the recommended film thickness and spreading rate as indicated.

PERFORMANCE TIPS

• High Gloss Polyurethane products must be catalyzed with K04089408.
• Do not spray hot. Heat shortens potlife. Do not pump catalyzed materials from drums into circulating system. Friction heat developed by pumps will shorten pot life.
• High Gloss Polyurethane is not recommended for exterior use on wood.
• Do not package products coated with High Gloss Polyurethane in airtight plastic containers until fully cured. High Gloss Polyurethane continues to cure for several weeks, the build-up of organic solvents and reaction by-products could cause improper cure and adhesion problems.
• Do not exceed 1.5 mils dry film with airless or air assisted airless equipment, due to possible sagging.
• In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with Polyurethane Reducer, K04089409.
• Mixed coating is sensitive to water. Use water traps in all air lines. Moisture contact can reduce pot life and affect gloss and color.

CHARACTERISTICS

FINISH: High Gloss, 90+ units
VOLUME SOLIDS: 59% ± 2%, mixed, may vary by color
WEIGHT SOLIDS: 76% ± 2%, mixed, may vary by color
VOC (EPA Method 24): Mixed; Reduced 10%: 336 g/L; 2.8 lb/gal
MIX RATIO: 3:1 by volume, 4 gallon mix
RECOMMENDED SPREADING RATE PER COAT:
Wet mils: 2.1 – 2.5; Dry mils: 1.25 – 1.5;
DRIYING SCHEDULE @ 77°F @ 50% RH @ 2.5 MILS WET:
To Touch: 1-1 1/2 hours
To Handle: 10-12 hours
Tack Free: 8 hours
To Recoat: 5-6 hours
Force Dry: 30-60 min. at 140-180°

POT LIFE: 3 hours @ 77°F; 50% RH

SWEAT-IN TIME: None required

FLASH POINT (Catalyzed): 95°F, TCC

REDUCER/CLEAN-UP: Polyurethane Reducer (K04089409)

PERFORMANCE TESTS

System Tested: (unless otherwise tested)
Substrate: Steel
Surface Preparation: SSPC-SP10
Primer: 2 cts. Industrial Epoxy Primer @ 2.2 mils dft/ct
Finish: 1 ct. High Gloss Polyurethane (K0408 Series) @ 2.0 mils

CHARACTERISTICS cont.

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Abrasie Resistance: Method: ASTM D4060, CS17 wheel, 1000 cycles, 1 kg load; Result: 76 mg loss (average of 5 trials)

Adhesion: Method: ASTM D3359 Method B; Result: 5B, 100% Retention

Accelerated Weathering: Method: ASTM G53, QUV, UVA Bulb 1000 hours; Result: 95% of original gloss retained

Direct Impact Resistance: Method: ASTM D2794; Result: 80 in lb

Dry Heat Resistance: Method: ASTM D2485; Result: 200°F, 250°F intermittent

Exterior Durability: Method: 2 years at 45° South; Result: Excellent, 87% gloss retention

Flexibility (Urethane Only): Method: ASTM D522, 180° bend, 1 / 4” mandrel; Result: Passes

Humidity Resistance: Method: ASTM D4585, 100°F, 2000 hours; Result: No blistering, cracking, softening or delamination

Pencil Hardness: Method: ASTM D3363; Result: H

Salt Fog Resistance: Method: ASTM B117, 1500 hours; Result: Rating 10 per ASTM D610 for rusting, less than 1/16” creepage at edges. No blistering, peeling, softened or delamination of the film.

CAUTIONS FOR CATALYZED PRODUCT

This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS. A Material Safety Data Sheet is available from your local Martin Senour Distributor. Please Direct any questions or comments to your local Martin Senour Distributor.

WARNING! COMBUSTIBLE! VAPOR HARMFUL. IRRITATES EYES, SKIN AND RESPIRATORY TRACT. CAN BE ABSORBED THROUGH THE SKIN.

Contents are COMBUSTIBLE. Keep away from heat and open flame.
Contains ACETATES. VAPOR HARMFUL. Use only with adequate ventilation. This product must be used with an appropriate catalyst. Follow the respirator requirement and instructions on the catalyst. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

FIRST AID: In case of eye contact, flush thoroughly with large amounts of water for 15 minutes and get medical attention. For skin contact, wash thoroughly with soap and water. In case of respiratory difficulty, provide fresh air and call physician. IF SWALLOWED, get medical attention immediately. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY. NOT FOR RESIDENTIAL USE. SEE MATERIAL SAFETY DATA SHEET.

Catalyst CONTAINS ISOCYANATES. People who have chronic (long-term) lung or breathing problems or have had a reaction to isocyanates, must not use or be in the area where this product is being applied. Where overspray is present, a positive pressure air-supplied respirator should be worn. If unavailable, a properly fitted organic vapor/particles respirator may be effective. Consult catalyst MSDS and product label for complete handling instructions.

Thoroughly review product label for safety and cautions prior to using this product. A Material Safety Data Sheet is available from your local Krylon Industrial Coatings™ Distributor. Please direct any questions or comments to your local Krylon Industrial Coatings™ Distributor.

Note: The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, Krylon Products Group cannot make any warranties as to the end result. Please direct any questions or comments to 1-800-777-2966.