

Product Data Sheet



Acrylic Floor Coating

K-Z1600 Series – White & Neutral Bases

K-50001 Series – Haze Gray

Acrylic Floor Coating is an interior/exterior, semi-gloss, industrial-grade, single-component waterborne floor coating. It offers a quick dry, slip- and abrasion-resistant formula and easy water cleanup.

- Single component
- Abrasion resistant
- Slip resistant
- Tough alkali-resistant finish
- Fast dry

Recommended Uses

Use this product over prepared substrates such as concrete, wood, and previously painted surfaces.

Recommended Systems

Concrete

1 coat Krylon Industrial Acrylic Floor Primer
1-2 coats Krylon Industrial Acrylic Floor Coating

Wood Floors

1 coat Krylon Industrial Acrylic Floor Primer
1-2 coats Krylon Industrial Acrylic Floor Coating

Previously Painted Floor in Sound Condition

1-2 coats Krylon Industrial Acrylic Floor Coating

Tips for Best Performance

- During the early stages of drying, the coating is sensitive to rain, dew, high humidity, and moisture condensation. Plan painting schedules to avoid these influences during the first 16-24 hours of curing.
- Spread rates are calculated based on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions and excessive film build
- Excessive reduction of material can affect film build, appearance, and adhesion
- This product is not slip resistant where moisture, water, grease, or other liquids may be present
- Anti-slip additives may be added to the coating to provide slip resistance. This product should not be used in place of a non-skid finish.

Technical Data

Vehicle: Acrylic

Finish: Semi-Gloss (10-20 units @ 60°)

Flash Point: N/A

Volume Solids: 43 ± 2%

Weight Solids: 56 ± 2%

Weight/Gallon: 10.8 lb/gal

VOC (less exempt solvents): VOC: 97 g/L – 0.81 lb/gal as per 40 CFR 59.406

Recommended Film Thickness:

3.5 – 4.5 mils wet
1.5 – 2.0 mils dry

Spread Rate: 345-460 sq. ft. per gallon

Application: Apply by brush or roller

Drying Time (@ 4 mils wet, 50% R.H.):

Note: Drying times are temperature, humidity and film thickness dependant.

	50°F	77°F	120°F
To Touch:	45 min	30 min	10 min
To Recoat:	6 hrs	4 hrs	30 min
Foot Traffic:	18 hrs	8 hrs	1 hr
Heavy Traffic:	24 hrs	18 hrs	6 hrs
To Cure:	7 days	7 days	7 days

Reduction: Water

Clean-up: Soap and Water

Tinting: Universal Colorants. Mix minimum 5 minutes on mechanical shaker.

Sizes: 1 Gallon, 5 Gallon

Shelf Life: 24 months, unopened

FOR INDUSTRIAL USE ONLY

As of 8/7/13, complies with:

OTC	✓
EC	✓
SCAQMD	✓
CARB	✓
LADCO	✓

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Surface Preparation

WARNING! 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 brain damage or other 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 a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Surface must be clean, dry & in sound condition. Remove all oil, dust, grease, dirt, loose rust and other foreign materials to ensure adequate adhesion. **Do not use hydrocarbon solvents for cleaning.**

Concrete and Masonry: For surface preparation, refer to NACE 6/SSPC-SP13 or ICRI 03732, CSP 1-3. Surface should be thoroughly clean & dry. Surface temperatures must be at least 55°F before filling. Weathered masonry & soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination & to get a hard, firm surface.

Follow the standard methods listed below when applicable:

ASTM D4258 Standard Practice for Cleaning Concrete
ASTM D4259 Standard Practice for Abrading Concrete
ASTM D4260 Standard Practice for Etching Concrete
ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete
SSPC-SP13/NACE 6 Surface Preparation of Concrete
ICRI No. 310.2 Concrete Surface Preparation

Wood: Surface must be clean, dry and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

Previously Painted Surfaces: If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating maybe necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface.

Caulking: Fill gaps between walls, ceilings, crown moldings, and other trim with the appropriate caulk after priming the surface.

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Application

Temperature (air, surface and material):

50°F minimum, 120°F maximum. At least 5°F above dew point

Relative humidity: 85% maximum

Reducer/Clean-up: Water

Brush:

Brush..... Nylon/polyester
Reduction..... As needed up to 6% by volume

Roller:

Cover..... 1/4" - 3/8" woven solvent-resistant core
Reduction..... As needed up to 6% by volume

Airless spray: Not recommended

Physical Test Data

System Tested:

Substrate: Concrete Surface Preparation: Clean, dry, sound
Finish: 2 coats Acrylic Floor Coating @ 4 mils dft

Abrasion Resistance:

Method: ASTM D4060, CS17 wheel, Result: No more than 37 500
cycles, 1 kg load mg loss

Adhesion:

Method: ASTM D4541; ASTM 3359 Result: 720 psi (ASTM
D4541); 5A (ASTM D3359)

Direct Impact Resistance, on steel:

Method: ASTM D2794 Result: 30 in. lbs

Dry Heat Resistance:

Method: ASTM D2485 Result: 150°F constant,
200°F intermittent

Flexibility:

Method: ASTM D522, 180° bend, Result: Passes
1/8" mandrel

Humidity Resistance:

Method: ASTM D4585, 500 hours Result: Rating 10 per
ASTM D714 for blistering

Pencil Hardness:

Method: ASTM D3363 Result: F

Scrub Resistance (3 mils dft):

Method: ASTM D2486, Section 8 Result: Passes 1000 cycles
minimum

Slip Resistance, Floors:

Method: ASTM C1028-96, .60 Result: Passes wet and dry,
Minimum Static Coefficient of Friction with and without non-slip
additive

Wet Adhesion (one coat @ 2.0 mils dft):

Method: TT-P-1511A, 6000 cycles Result: Passes

Clean Up

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using mineral spirits.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of Krylon Industrial. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Krylon Industrial dealer or representative to obtain the most recent Product Data Sheet.