



Product Data Sheet

55Z-J037 Gunmetal 2-K Gloss UTHANE®

(Updated 2/16/2018)

CHARACTERISTICS

Product Description: This product is a two-component polyurethane with: excellent hardness, good air-dry, mar resistance, and meets the 3.5 lb/gal – 419 g/l VOC limit.

Viscosity: 22 ± 2 sec. #2 Zahn @ 77°F.

Weight Solids: 52.7 ± 2% (uncatalyzed)
58.8 ± 2% (catalyzed)

Volume Solids: 46.4 ± 2% (uncatalyzed)
52.2 ± 2% (catalyzed)

Weight/Gallon: 7.80 lbs. (uncatalyzed)

Theo. Mileage: 837 sq. ft. / gal. @ 1.0 mil (catalyzed)

VOC: 398 g/l (catalyzed)

Flash Point: 60°F TCC (DOT red label)

Pencil Hardness: 4H (on Bonderite 1000)

Gloss @ 60°: 80+ (1.5 mils on Bonderite 1000)

Isocyanate Monomer: Less than 0.2% on catalyzed resin solids.

Adhesion: Excellent (over pretreated or primed metal)

Storage: Normal – no freeze hazard

Shelf Life: 12 months (unopened)

APPLICATION

Substrate: Pretreated aluminum, steel, molded plastics.

Surface Treatment: Iron or zinc phosphate, metal primer. Wipe free of oil, dust, and mold release solutions.

Catalyzation:
3 to 1 by volume 95C-F005 Uthane Exterior Curing Agent.

Reduction: No reduction required (VOC compliant)

Workable Pot Life: 30-60 minutes when catalyzed (dependant upon temperature and humidity).

Equipment: Conventional or automatic spray.

All polyurethane systems, whether single or multi-component, are sensitive to moisture and will gel or begin to cure if permitted to come into contact with humid air or water. This includes the exposure of the coating in open containers or contact with moisture in fluid and air lines. Air compressors should be equipped with moisture traps, driers, and filters to ensure that the coating does not "see" moist air. In this way, damage to equipment can be avoided.

Cure: Air dry: Dries print-free within 30-90 minutes; cure in 24 hours. Force dry: Dependent upon paint line conditions.

Recommended Dry Film Thickness: 1.5 ± .25 mils

Wash Thinner: Ketones (MEK); esters/aromatics also effective. Do not use aliphatics or alcohols.

Clean Up: After shutdown or before a long delay, **PROMPT CLEAN UP OF ALL EQUIPMENT IS ESSENTIAL, IF EQUIPMENT DAMAGE IS TO BE AVOIDED.** This applies to pots, lines, hoses and guns. Use wash thinners recommended above.

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PRECAUTIONS

Safe Handling: When this product has been combined with our urethane curing agent, aliphatic and/or aromatic polyisocyanates then are present, which give off harmful vapors of isocyanates (hazardous materials) when sprayed. Do not use if you have chronic (long-term) lung or breathing problems, or if you have ever had a reaction to isocyanates. Use only with adequate ventilation. Where overspray is present, a positive-pressure, air-supplied respirator (TC-19C NIOSH/MESA) is recommended. If not available, use a vapor/particulate respirator that respirator supplier recommends as effective for isocyanate vapors and mists, such as a NIOSH TC-23C type.

Refer to our Data Sheet "Safety in the Handling and Use of Uthanes," and to the Material Safety Data Sheet, available upon request.

First Aid: If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists or occurs later, consult a physician and have label information available. In case of eye contact, flush immediately with plenty of water for 15 minutes; call a physician. In case of skin contact, wash thoroughly with soap and water.

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