

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

URAZEN is a two component, high solids polyurethane topcoat that is qualified to MIL-PRF-85285E, Type II, Class H for ground support applications. It exhibits excellent chemical resistance, outstanding toughness, flexibility, abrasion resistance, and excellent outside durability. This product is available in full gloss, semi-gloss, and flat gloss ranges.

TECHNICAL DATA

- Mixing Ratio by Volume: 3:1 Part A with Part B, 06480CMU
- Admixed Viscosity: <30 sec #4 Ford.
Viscosities will vary with each color and gloss range.
- Recommended dry film thickness: 1.7-2.3 mils
- Gloss 60°:
 - Full gloss: 90+
 - Semi-gloss: 15-45
 - Flat: <5
- Flash Point: 9° F
- VOC: 2.8 lbs./gal. or 340 grams/liter
- Cure Rate – Air Dry @77° and 50% relative humidity:
 - Set: <2 hours
 - Dry Hard: <8 hours
 - Full Cure: 2 weeks

This product may be force cured if necessary. The recommended schedule is 30-60 minute flash, then 30-60 minutes at 140-160°F. Semi-gloss and flat coatings may increase slightly in gloss with force curing.

DIRECTIONS FOR USE

Component A should be thoroughly agitated prior to blending. After agitating, mix 3 volumes of Component A to 1 volume of Component B and mix well. Mix only what you will use in 4 hours. After that time, the product will start to rise in viscosity and eventually gel

SURFACE PREPARATION

Substrate must be free of dirt, rust, grease and other contaminants to ensure optimal performance of the coating. Prime surface with one coat of epoxy primer at 0.6 to 0.9 mil dry film thickness and air dry per manufacturers recommendations prior to spraying topcoat. See page 2 for recommended primers.

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APPLICATION

Apply topcoat at temperatures between 60-90°F and 20-80% relative humidity. Spray one or two coats uniform wet coats to achieve a dry film thickness of 1.7-2.3 mils topcoat.

Product can be reduced if necessary with ketones such as Methyl Amyl Ketone, Hentzen part number 07409SSK. Typically, reduction should not exceed 25% by volume, 4 parts mixed paint to 1 part reducer, to yield a VOC under 3.50. An exempt solvent may also be used as a reducer. The recommended solvent is Methyl Acetate, Hentzen part number 01574SSE.

CLEAN-UP

Clean equipment immediately after use with MEK, 07409SSK, or equivalent solvent reducer.

HANDLING & STORAGE

The containers should be stored away from direct sunlight and heat. Freezing is not harmful if reheated gently to room temperature prior to use. For best results, maintain storage temperatures between 50 and 100°F.

PRECAUTIONS & SAFETY

- Flammable liquid.
- Use only with adequate ventilation.
- Keep away from heat, sparks and flame.
- Harmful if inhaled or ingested, may cause nose, throat, and respiratory tract irritation
- Skin and eye irritant.
- Read all container labels and Material Safety Data Sheet prior to use.

RECOMMENDED PRIMERS AND REDUCERS

RECOMMENDED PRIMERS	DESCRIPTION	SPECIFICATION
05510WEP-X/05511CEH-X	Off White Epoxy Primer	MIL-P-53022B, TYPE I
04488WEP-4/04489CEH-4	Off White Epoxy Primer	MIL-P-53022B, TYPE II
03848WEP-HFX/03849CEH-HFX	Off White Epoxy Primer	MIL-P-53022B, TYPE II
16708TEP/16709CEH	Chromate-Free Epoxy Primer	MIL-PRF-23377J, TY I, CLS N
AD9318-FD/AD2298-FD	Fast Dry Yellow Epoxy Primer	MIL-PRF-23377J, TY I, CLS C2
RECOMMENDED REDUCERS		
00053SST-1	Epoxy & Urethane Thinner	MIL-T-81772B, TYPE I
07409SSK	Methyl Amyl Ketone Reducer	
01574SSE	Methyl Acetate Reducer	

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PRODUCT PART NUMBERS

FED-STD-595 COLOR	HCI PART NUMBER	DESCRIPTION
Component A		
11136	32211RPX-T2	Red Gloss Ura-Zen
12197	32234NPX-T2	Orange Gloss Ura-Zen
13538	32202YPX-T2	Yellow Gloss Ura-Zen
15044	32237BPX-T2	Blue Gloss Ura-Zen
15180	32209BPX-T2	Blue Gloss Ura-Zen
16081	32213APX-T2	Gray Gloss Ura-Zen
16440	32212APX-T2	Gray Gloss Ura-Zen
17038	32204KPX-T2	Black Gloss Ura-Zen
17875	32236WPX-T2	White Gloss Ura-Zen
17925	32201WPX-T2	White Gloss Ura-Zen
24052	32206GPX-T2	Green Semi-Gloss Ura-Zen
24300	32207GPX-T2	Green Semi-Gloss Ura-Zen
26231	32274APX-T2	Gray Semi-Gloss Ura-Zen
26307	32215APX-T2	Gray Semi-Gloss Ura-Zen
27875	32218WPX-T2	White Semi-Gloss Ura-Zen
34095	32225GPX-T2	Green Flat Ura-Zen
34097	32233GPX-T2	Green Flat Ura-Zen
35237	32238BPX-T2	Blue Flat Ura-Zen
36231	32239APX-T2	Gray Flat Ura-Zen
36320	32240APX-T2	Gray Flat Ura-Zen
36375	32221APX-T2	Gray Flat Ura-Zen
36440	32249APX-T2	Gray Flat Ura-Zen
36495	32245APX-T2	Gray Flat Ura-Zen
37038	32205KPX-T2	Black Flat Ura-Zen
Component B		
n/a	06480CMU	High Solids Ura-Zen Catalyst, Part B

Other FED-STD-595 colors as well as custom colors available upon request.

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