

07178TWU/07170CMU
Tan 686A, #33446, Two Component Water Reducible per MIL-DTL-64159, Type II

PRODUCT DESCRIPTION

AQUA URA-ZEN is the trade name for Hentzen's line of water-reducible polyurethane coatings. This is a two-component system designed to be applied over a suitable primer as MIL-P-53022B.

HANDLING & STORAGE

These coatings have a minimum shelf life of one year from date of manufacture if properly stored. We suggest that these materials be stored in a cool, dry area and never in direct sunlight. We further suggest that the ideal storage temperature is 65 - 80°F. The materials will remain stable below 55°F. Do not freeze.

PHYSICAL CHARACTERISTICS07178TWU 686A Tan – Component A:

Weight per Gallon:	10.45 lbs. ± .2
Viscosity Storrmer:	65 - 70 KU's
Weight Solids:	47.58% ± 2.0%
Volume Solids:	33.90% ± 1.0%
Lbs. VOC/Gallon Minus Water:	1.06 lbs.

07170CMU Catalyst - Component B:

Weight per Gallon:	8.87 lbs. ± .2
Viscosity #3 Zahn:	14 - 16"
Weight Solids:	75.00% ± 1.0%
Volume Solids:	69.32% ± 1.0%
Lbs. VOC/Gallon Minus Water:	2.22 lbs. maximum

Admixed Characteristics:

Catalyzation Ratio:	2:1 by volume
Thinner Further Required:	Deionized Water
Thinner Ratio:	.5 by Volume
Viscosity @ 2:1:.5:	25 - 35" #3 Zahn
Weight per Gallon:	9.72 lbs. ± .2
Weight Solids:	49.15 ± 1.0%
Volume Solids:	39.40 ± 1.0%
Lbs. VOC after Catalyst & Reduction:	1.80 lbs. maximum
Gloss 60° Angle:	1.50 maximum
Gloss 85° Angle:	3.50 maximum

Theoretical Coverage - sq. ft./gl.

@ 1.0 mil dry film thickness: 631

Cure Schedule - Force Dry: 30 minutes @ 180°F

ENVIRONMENTAL REPORT

Volatile Content (Wt.%):	50.85
Organic Volatile Content (Wt.%):	8.83
Water Content (Wt.%):	42.02
Water Content (Vol.%):	49.10
VOC Minus Water:	1.80 maximum
Pounds of VOC Per Gallon of Coating Solids:	1.30

DIRECTIONS FOR USE

Mix or agitate Component A thoroughly prior to use. Thoroughly mix 2 parts by volume of Component A with 1 part by Volume of Component B. Then slowly add, under good agitation, ½ part by volume of Deionized Water. Add additional water as needed. For best overall protection, a dry film thickness of 1.80 mils minimum is required. Apply this material with conventional air atomization spray equipment. Mix only what you will use in 4 hours. After that time, the admixed paint should be dumped.

PRECAUTIONS & SAFETY

- Do not apply at temperatures below 50°F.
- Read all container labels.
- Read all Material Safety Data Sheets.
- Do not store unused admixed material in sealed containers. Admixed material will generate CO₂ gas, which will produce hazardous pressure in sealed conditions.
- Admixture possesses hazards of all individual components. Observe all precautions.

CLEAN-UP

A water flush followed by a solvent chase is recommended to flush and clean equipment. The solvent flush is advised to remove any residue left after the water flush has been performed. MEK is suggested for the solvent chase.

April 23, 2007