

## TECHNICAL BULLETIN

**08605GUZ-ULVOC**  
**Green 383, #34094, 1.0 VOC VOHAP and Silica Free Zenthane®**  
**MIL-DTL-53039C, Type IV**

### PRODUCT DESCRIPTION

Zenthane® is the trade name for Hentzen's Single Component Moisture Curing Polyurethanes. These coatings are designed to be used as supplied without any further reduction or modification. However, they can be field-adjusted with additives or with solvents (regulations permitting) to accommodate specific application conditions. This product needs to be used over a suitable primer such as MIL-P-53022B.

### 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. Zenthane® is reactive with water and should be protected from atmospheric moisture during storage and use.

### PHYSICAL CHARACTERISTICS

Weight per Gallon:	11.20 ± .25
Weight Solids:	57.58 ± 1.0
Volume Solids:	54.80 ± 1.0
Viscosity:	60 - 66 KU's
Pounds of VOC per Gallon:	1.00 maximum
Theoretical Coverage - sq. ft./gl. @ 1.0 mil dry film thickness (no loss):	879
Pot Life - Shelf Life (protected from atmospheric moisture):	1 year
Gloss:	
@ 60°:	<1.00
@ 85° (Sheen):	<3.50

### ENVIRONMENTAL REPORT

Volatile Content (Wt.%):	42.42
Organic Volatile Content (Wt.%):	5.43
Exempt Solvent Content (Wt.%):	36.99
Exempt Solvent Content (Vol.%):	36.95
VOC Minus Exempt Solvent:	1.00 Maximum

### DIRECTIONS FOR USE

It is important to thoroughly homogenize each container by agitation. Paint shakers are preferred to paddle or mechanical mixers to exclude premature or accidental exposure to atmospheric water. No thinning is necessary for most spraying applications.

- **Normal Drying Schedule:** This product is formulated for "general purpose" use. (If faster or slower drying times are desired to suit specific end-use conditions, additives are available to customize the coating according to needs.) When used as supplied, the following drying/curing rates can be expected:

Air Dry @ 77°F & 50% Relative Humidity:

Dry to Touch:	1 - 2 hours
Dry to Handle:	4 - 6 hours
Full Cure:	7 days

Force Dry @ 180°F @ 25% Relative Humidity:

Dry to Touch:	30 minutes
Dry to Handle:	45 - 90 minutes
Full Cure:	24 hours

### PRECAUTIONS & SAFETY

Read all container labels and Material Safety Data Sheets.

- Keep away from sparks and flames.
- Keep away from atmospheric moisture.
- Do not spray without adequate ventilation.

### CLEAN-UP

Promptly clean equipment and flush with 00053SST Solvent or equivalent. When exposed to atmospheric moisture, Zenthane® will skin, gel, and eventually become insoluble in all paint thinners.

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