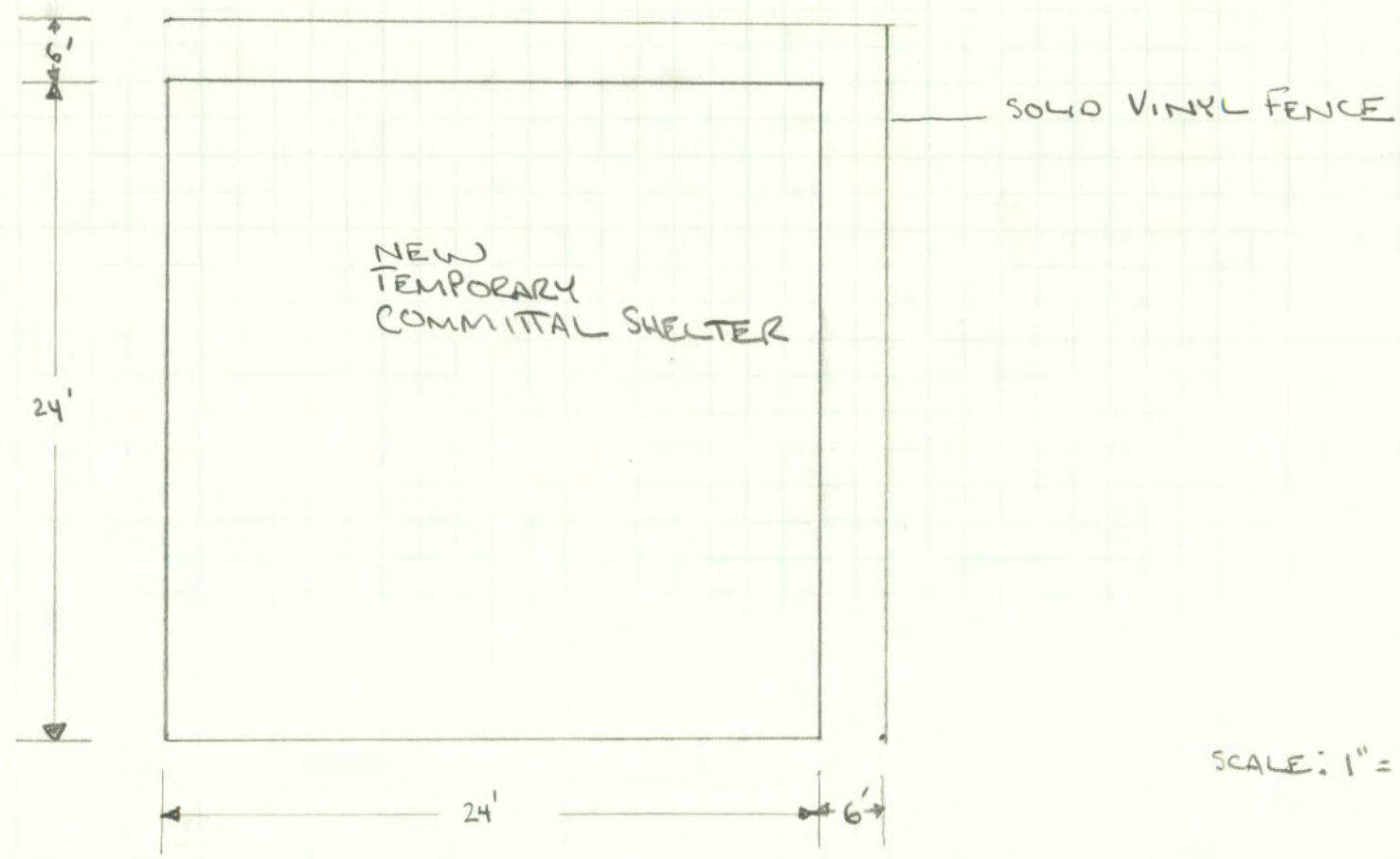


3/14/2011

CAMP NELSON  
NATIONAL CEMETERY

RFI #2



SCALE: 1" = 15'

AMPAD

## *Section 2*

# *Technical Data*



P.O. Box 567 \* 7451 Hwy 62 East \* Mount Vernon, Indiana, 47620 USA  
Phone: 812.985.3628 \* Fax: 812.985.2925

## Material Specifications & Characteristics

ASTM Test Method	D 792	D 695	D 732	D 696	D 638	D 790	D 256
Westech® Vinyl Products	Specific Gravity	Compressive Yield Strength (lbf)	Peak Shear Strength (psi)	Coeff. of Thermal Expansion $\alpha$ (in./in./F° $\times 10^{-5}$ )	Modulus of Elasticity (psi)	Flexural Modulus (psi)	Impact Resistance $I_s$ (ft-lb/in)
	1.44	7,085	6,171	6.30	390,333	347,851	2.31

### Definitions

Specific Gravity is the density of a substance relative to the density of water.

Compressive Yield Strength is the compressive force per unit area that it can withstand.

Peak Shear Strength is the shear strength of a material determined by the maximum shear stress necessary to penetrate the surface of a flat specimen of the material completely.

Coefficient of Thermal Expansion is the change in length per unit length of material per one degree.

Modulus of Elasticity is the measure of the elastic force of any substance, expressed by the ratio of a stress on a given unit of the substance to the accompanying distortion, or strain.

Flexural Modulus is the ratio of stress to strain within the elastic limit (when measured in the flexural mode) and is similar to the tensile modulus. This property is used to indicate the bending stiffness of a material.

Impact Resistance allows designers to compare the relative impact resistance under laboratory conditions and, consequently, is often used for material selection or quality control.

Report No: ATI 54013.01-106-3

Revision February 1<sup>st</sup>, 2009



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## Material Safety Data Sheet

Page 1 of 3

Date Prepared: October 1, 1999

Revised: April, 2000

### SECTION I.

#### MATERIAL DESCRIPTION

<b>Common Name:</b>	Rigid Poly Vinyl Chloride (PVC) Exterior Profiles Used for Fencing, Decking, and Railing.
<b>Manufacturer:</b>	Westech Building Products, Inc. Mailing: P.O. Box 567 Shipping: 7451 Hwy 62 East Mount Vernon, Indiana 47620
<b>Phone:</b>	(812) 985-3628 Fax: (812)-985-2925

Chemical Name & Formula: PVC Homopolymer, SIC: 3084

CAS NO.: PVC Resin (9002-86-2) Titanium Dioxide (13463-67-7); Calcium carbonate (1317-65-3)

### SECTION II.

#### HAZARDOUS INGREDIENTS AND OCCUPATIONAL EXPOSURE LIMITS

	<u>% Max.</u>		TWA in mg/m <sup>3</sup> unless noted	
			<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Polyvinyl Chloride resin	86	Dust	10	15.5 (respirable)
Titanium Dioxide	10		10	10.5 (respirable)
Proprietary ingredients	9		10	10.5 (respirable)

### SECTION III.

#### PHYSICAL DATA

Physical Form:	Solid
Boiling Temperature:	Not Applicable
Heat deflection temperature:	168° F (76° C)
Vapor Pressure:	Not Applicable
Evaporation Rate:	Not Applicable
Specific Gravity:	1.42
Density:	Not determined
Water Solubility:	Insoluble
PH:	Not Applicable
Color:	Various
Odor:	Plastic, resin odor





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## Material Safety Data Sheet

### SECTION IV.

Page 2 of 3

#### FIRE AND EXPLOSION DATA

Flashpoint: \_\_\_\_\_ Not Applicable  
Self-Ignition Temperature: \_\_\_\_\_ 849° F (470°C)  
Flammability Limits in Air: \_\_\_\_\_ Not Applicable  
Extinguishing Media: \_\_\_\_\_ Use water spray, dry chemical or foam.

Fire and Explosion Hazard: PVC homopolymers are self-extinguishing plastic materials. They will burn in the presence of other materials that support combustion and will generate hydrogen chloride, benzene, water, carbon monoxide, and carbon dioxide.

Firefighters should wear NIOSH approved, self-contained breathing apparatus and protective clothing when appropriate.

### SECTION V.

#### REACTIVITY DATA

Stable under normal conditions of use, storage and transportation.

Hazardous polymerization will not occur.

Hazardous decomposition products include hydrogen chloride at elevated temperatures (> 250-300 F), carbon monoxide, carbon dioxide, aromatic and aliphatic hydrocarbons.

### SECTION VI.

#### HEALTH HAZARD INFORMATION (SEE SECTION II FOR EXPOSURE LIMITS)

Dust resulting from power or hand sawing this material is considered to be a low health risk by inhalation. Limits for total and respirable dust in Section II are applicable.

Dust may be irritating to the skin, eyes, nose, and upper respiratory tract.

If product is melted, this material may emit fumes and vapors that are irritating to the eyes, nose, skin and upper respiratory tract.

#### First Aid:

Skin and eyes: If irritation develops, consult a physician  
Inhalation: If irritation or pulmonary symptoms develop, remove to fresh air and consult a physician.

### SECTION VII.

#### SPILL, LEAK AND DISPOSAL PROCEDURES

Collect scrap for reprocessing, or for landfill in compliance with local regulations.



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## Material Safety Data Sheet

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### SECTION VIII.

#### SPECIAL PROTECTION AND PRECAUTIONS

Use with adequate ventilation to meet exposure limits listed under Section II. Where the exposure limits are or may be exceeded, use NIOSH approved respiratory protection. Select appropriate respirator (e.g., high efficiency dust mask, acid gas respirator) based on the actual or potential airborne contaminants and their concentrations present.

When cutting, wear safety glasses or goggles to prevent foreign particles from being projected into eye.

### SECTION IX.

#### REGULATORY INFORMATION

Chemical substance components have been reported to the EPA Office of Toxic Substances in accordance with the requirements of the Toxic Substances Control Act (Title 40 CFR Part 710).

EPA SARA Title III hazard class: NONE

OSHA Hazard Communication Standard Hazard Class: NONE

D.O.T. Shipping Name, Hazard Class, I.D. No. (if applicable) Not Regulated.

### SECTION X.

#### ADDITIONAL INFORMATION

H.M.I.S. Ratings:      Health: \_\_\_\_\_ 1  
                                 Flammability: \_\_\_\_\_ 1  
                                 Reactivity: \_\_\_\_\_ 0

N.F.P.A. Ratings:      Health: \_\_\_\_\_ 1  
                                 Flammability: \_\_\_\_\_ 1  
                                 Reactivity: \_\_\_\_\_ 0  
                                 Special hazard Warning:—None

Substance(s) listed by California under the " Safe drinking Water and Toxic Enforcement Act of 1986" (Proposition 65):  
NONE

*Information contained herein is given in good faith as authoritative and valid.  
However, no warranty, expressed or implied, can be made.*

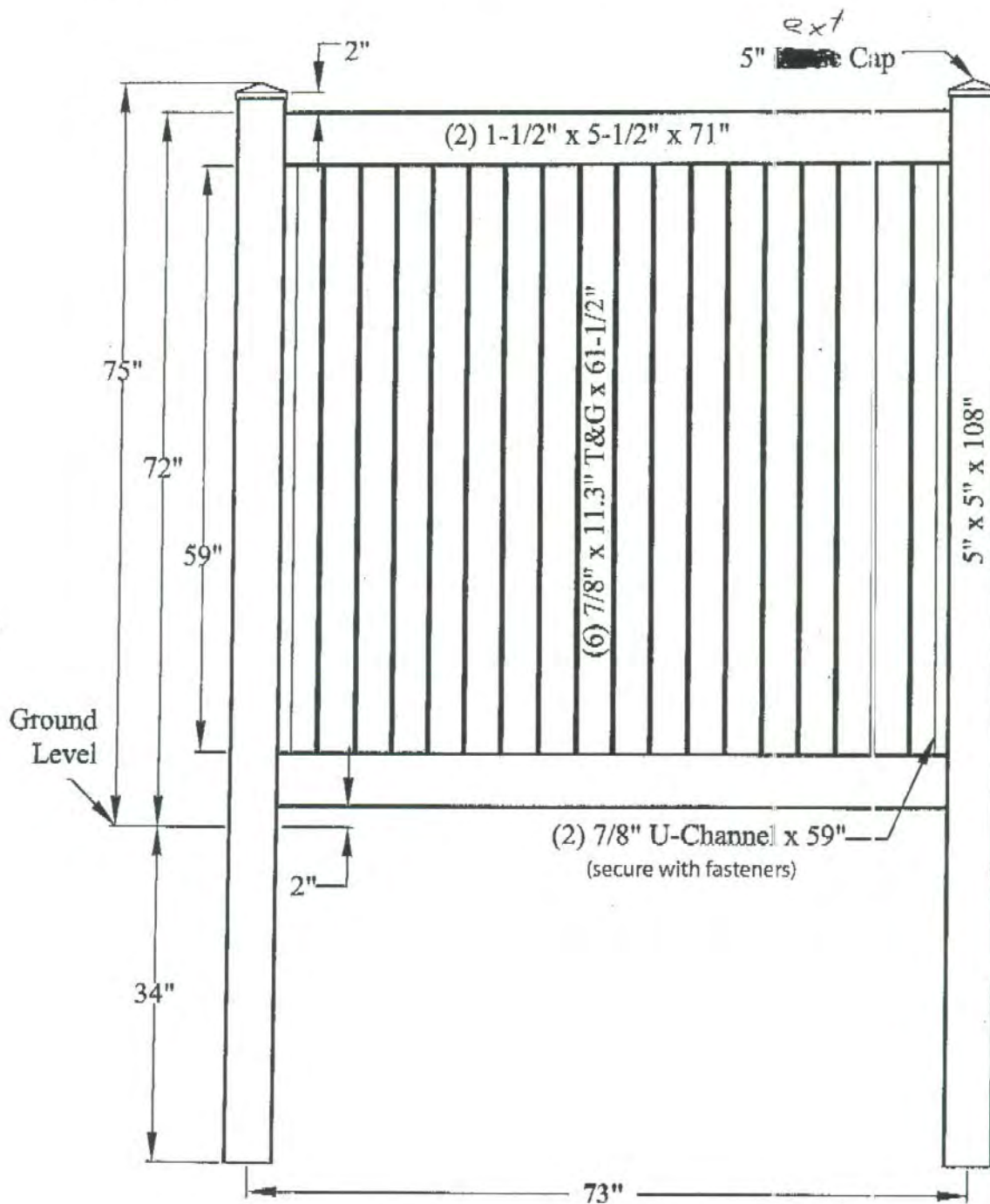
# 6 ft. X 72" Privacy Fence

1-1/2" X 5-1/2" Rails

7/8" X 11.3" Tongue & Groove Pickets (Boards)

5" X 5" Posts

**G-11-3**



**W** Westech® Fence

7451 Highway 62 East, Mount Vernon, Indiana, U.S.A. 47620 Phone: 1-812-985-3628 Fax: 1-812-985-2925 E-mail: info@westechfence.com



## Drawing G-11-3

6 ft. X 72" Privacy Fence

1-1/2" X 5-1/2" Rails

7/8" X 11.3" Tongue & Groove Pickets (Boards)

5" X 5" Posts

<b>Material Cost</b>			
		Qty.	Length (in.)
Post	5 x 5	1	108
Rails	1-1/2 x 5-1/2	2	71
Pickets	7/8 x 11.3 T&G	6	61 1/2
U-channel	7/8"	2	59
Post cap	Square	1	n/a
Rivets	unpainted	6	
Waste		7%	
Other		5%	



THE PERFECT FENCE FOR YOUR HOME

Virtually maintenance-free, durable and beautiful, a Westech privacy fence system is the perfect choice for your home. Separate yourself from the crowd with one of the most trusted names in vinyl fencing—Westech.

SECTION HEIGHT AND WIDTH

Westech privacy fence sections can be custom fabricated and installed to satisfy virtually any height or width. Your dealer can help you design a fence that best fits your specific requirements.

COLORS



LATTICE



PRIVACY PANELS



POST CAPS



RAIL OPTIONS

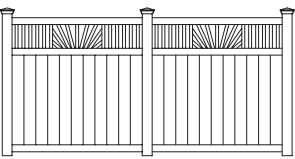
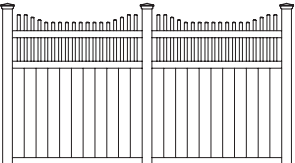
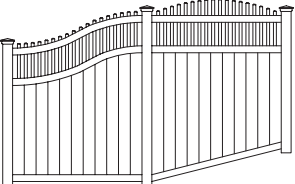
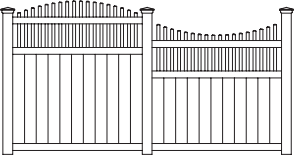
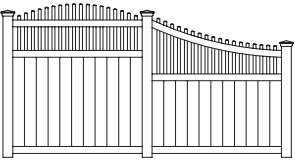
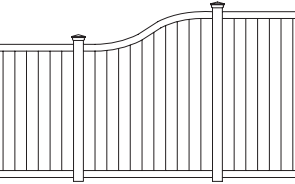
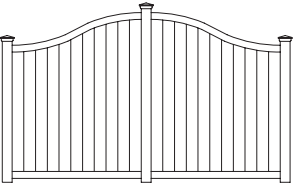


EMBOSSED



CUSTOMIZE IT

With a variety of colors, styles and accents to choose from, your Westech privacy fence can be easily customized to fit your personal style and use.



LIMITED LIFETIME WARRANTY

Westech stands behind its products with a Limited Lifetime Transferable Product Warranty. A Westech fence is warranted against manufacturing defects for your lifetime, allowing you to rest easy, knowing that your decision to choose a Westech product was the right one.

ASK ABOUT THESE OTHER WESTECH PRODUCTS

- Open and Closed Picket Fence Systems
- Semi-Privacy Fence Systems
- Ornamental Fence Systems
- TruGrain™ Embossed Fence Systems
- PRESIDIO® Vinyl Railing Systems
- PRESIDIO® Deck & Dock Systems

Separate yourself from the crowd.



# Separate yourself from the crowd.

Go ahead, create that cozy, private space you've always wanted. Westech vinyl privacy fence systems provide the performance and flexibility to achieve a style that is all your own. With Westech, anything is possible. Your perfect private sanctuary awaits.



**Put your brushes and tools away**—with a Westech vinyl fence system you won't be spending your weekends painting, sealing or replacing popped nails or rotting wood. The low-maintenance beauty of these systems allows you more time to enjoy your environment, not work on it.

It's easy to customize your Westech privacy fence to reflect your personal style and use.



## UNMATCHED QUALITY & PERFORMANCE

Each Westech system undergoes rigorous testing for wind load stability, weathering and structural performance. Privacy panels incorporate a Positive Interlok Design that is specifically engineered to ensure a clean, seamless privacy panel look and



POSITIVE INTERLOK DESIGN

provide superior wind load resistance when compared to standard tongue-and-groove panel systems. You can be confident your Westech fence will have long-lasting beauty that will add value to your home for years to come.

## THE WESTECH VINYL FENCE ADVANTAGE

- Virtually maintenance free—impervious to moisture, rotting, warping and termites
- No splinters, staining or painting—EVER!
- Limited lifetime transferable product warranty
- Superior strength and durability provides long-lasting value and performance
- The environmentally conscious choice