



**GLOBAL**

**MANUFACTURERS**

WORLD CLASS SOLUTIONS



# TEMPORARY HOUSING

**Domum Populi Units**  
**“Sweet homes from Alabama”**  
**Designed, engineered and built in the USA**



# INTRODUCTION

**Climate Change**; a threat and serious concern regarding all individuals and governments.

Agencies dealing with the tracking of weather have predicted that we will have an increased amount in the severity along with the amount of natural disasters including but not limited to flooding, hurricanes, earthquakes and tsunamis due to our changing climate. These unfortunate events that have been predicted to occur have also encouraged us to provide a solution for the future and provide stability to individuals, families and our societies. SURVIVAL, SAFETY and SECURITY on demand.



# UNIVERSAL UNITS

We would like to present to you Global Manufacturers' revolutionary project, the **Domum Populi** units. Our units are designed to help people no matter what the need or desire. Built from lightweight yet durable materials, the units can be deployed rapidly in any climate from hot deserts in excess of 40 degrees Celsius to freezing cold areas as low as -40 degrees Celsius all with the same energy efficient unit (**PASSIVE HOME**). The universal units constructed using our technology are lightweight, durable, odorless, resistant to devastating weather, fire, chemicals, corrosion, mold and bacteria, easy and inexpensive to maintain, incredibly well insulated (thermal and acoustic), environment friendly and deployable worldwide in any electrical zones from 110V to 240V with a life expectancy of over 50 years. Goldshield antiseptic technology application and/or bullet resistant applications are available upon request.



# REAL WORLD APPLICATIONS

These were originally intended for individuals/families displaced by fires, earthquakes, mudslides, hurricanes, tornados, other natural disaster emergencies, people displaced by war or political refugees but we see many possible applications for our units including, but not limited to, personal use such as hunting cabins, camp site houses, floating houses, sheds, cottage houses, hotel units, portable bathrooms, mobile offices, temporary housing for contractors or public sector/military applications such as guard houses, barracks, mobile command units, and mobile hospitals. Our units have an insurmountable amount of customization available to tailor to anyone's needs or desires including size, plumbing, furnishing and color. We also offer underground solutions which can be used as a basement, tornado shelter, etc. The panels used to create these units can also be used for other applications such as fences, decks, balconies and roofs. The possibilities of this project are truly endless. We would love to bring our Domum Populi units to as many people that are in need.



# RECIPIENTS OF THE PRODUCT

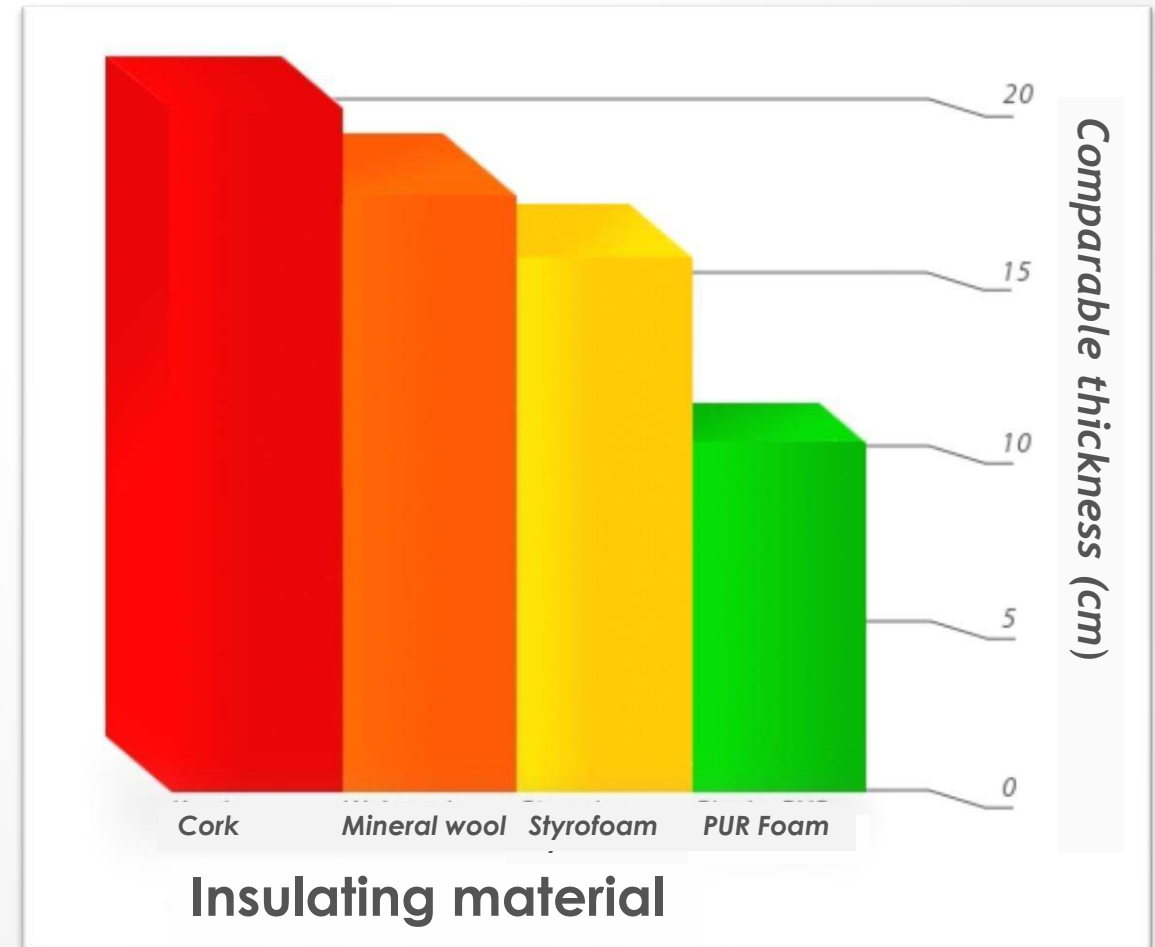
Our project was initially created to provide shelters but the demand has grown to supply other groups that could benefit by using our product. With all the different applications, these will satisfy any group or organization such as police, military, local and federal government agencies, refugees, homeless, disaster response teams, FEMA, Red Cross, UN, Caritas, Amnesty International, Habitat for Humanity, sporting goods stores, charities, etc.



# WHY ARE OUR UNITS BETTER ?

Our revolutionary product breaks the standard way of thinking about construction and used materials. It creates a brand new segment in the construction industry. **Global Manufacturers** has developed a shelter system that is safe, efficient & exceeds the individual's needs. Our panels combine all properties and advantages of composite and polyurethane foam and merge structural as well as insulation properties in one. No other materials come even close to our panels' properties and uses. Through the use of patented construction panel, units can maintain ambient room temperature of 21°C while exterior could range from -40°C to 40°C. These Turn Key units offered for the first time are setting new industry standards. Fully furnished with heating & air conditioning, these shelters are more like **"Home Sweet Home"**.

Comparison of thermo insulation properties of PUR foam against other popular materials:

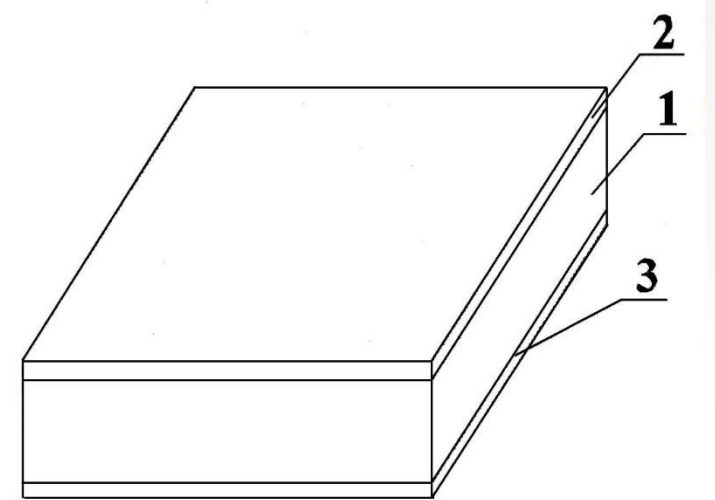




# WHAT IS A LPL PANEL?

**Polyurethane foam** is an ecological and safe material. Closed-cell (min.95%) polyurethane foam, is created by combining two liquid ingredients: polyol and isocyanate in a 1:1 ratio, called MDI in short. In this way, a reactive mixture is created. In effect of gassing, within about 10 seconds, the mixture starts to foam creating heat that causes it to harden. The final result is a closed-cell hard and firm structure.

**Laminates** are materials created by combining fibers with adhesive binders. Fibers make up the frame & adhesive binders, which are mostly resin, combine the fibers together. Excellent adhesion of the resin with the fibers are the reason behind the product's special characteristics, mechanical strength, light weight and resistance to corrosion, etc. It does not require complicated technologies & production processes.



Cross-section of LPL panel

The LPL panel that we are using in production of our affordable houses is composed of 3 layers:  
1.Polyurethane foam (PUR, PIR)  
2.Polyester-glass laminate (PS)  
3.Polyester-glass laminate (PS)





# THERMAL VALUE

(UNIT IS 4½ INCHES THICK)

²LTTR VALUE	THICKNESS		³RSI	FLUTE SPANABILITY	
	in	mm		in	mm
5.7	1.0	25.4	1.00	2.625	66.68
8.6	1.5	38.1	1.50	4.375	111.13
11.4	2.0	50.8	2.01	4.375	111.13
14.4	2.5	63.5	2.53	4.375	111.13
17.4	*3.0	76.2	3.06	4.375	111.13
20.5	*3.5	88.9	3.60	4.375	111.13
23.6	*4.0	101.6	4.15	4.375	111.13



Closed-cell polyisocyanurate (polyiso) foam core integrally bonded to inorganic coated glass facers. Our panels provide long-term thermal resistance (LTTR) values from 5.7 to 26.8. Manufactured in accordance with ASTM C1289, Type II, Class 2, Grade 2 (20 psi) or Grade 3 (25 psi) and CAN/ULC-S704 Type 2, Class 3 or Type 3, Class 3.



# ADVANTAGES OF OUR PRODUCT



## UL Microbial Resistance Claim Validation:

A testing protocol has been established to determine how susceptible or resistant a product may be to mold growth. Based on ASTM Standard D 6329, this test is designed specifically to address indoor air quality (IAQ) issues.



## GREENGUARD

Simply put, GREENGUARD Certification ensures that a product meets some of the world's most rigorous and comprehensive standards for low emissions of volatile organic compounds (VOCs) into indoor air.



## GREENGUARD Gold

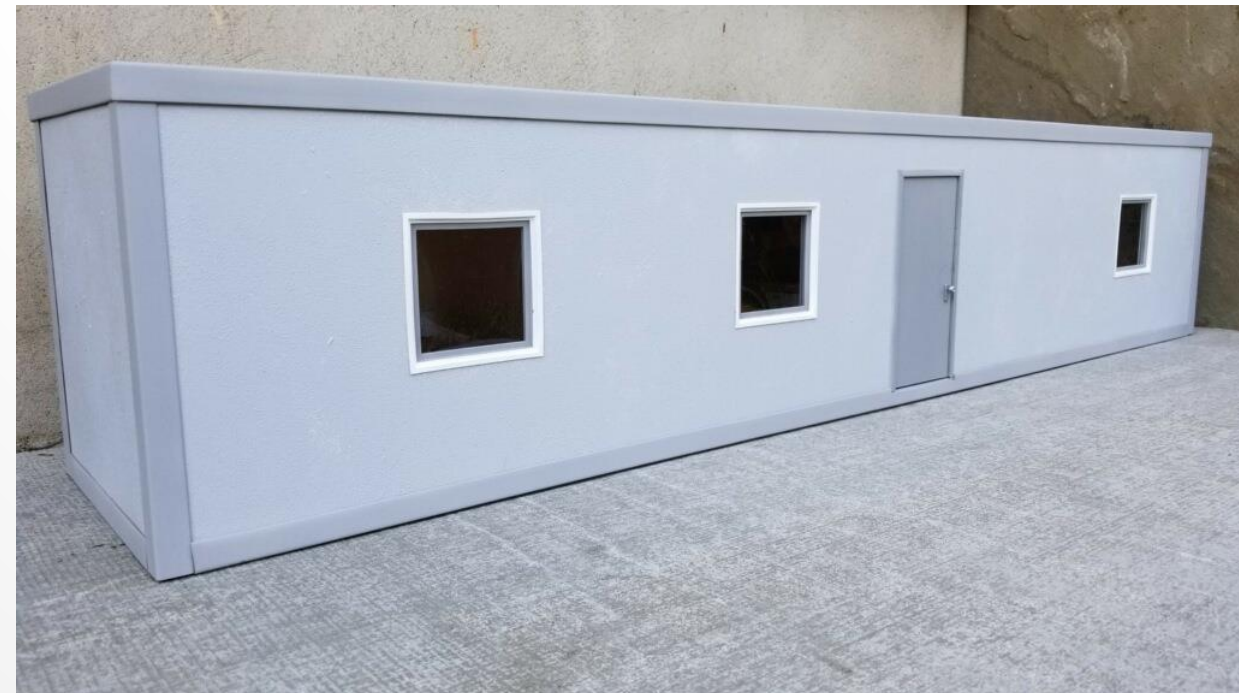
In addition to limiting the emissions of more than 360 different VOCs and other chemical emissions, GREENGUARD Gold Certified products must also comply with requirements of the State of California's Department of Public Health "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1 (2010)" (also known as California Section 01350) for testing chemical emissions from building products used in schools and other environments. GREENGUARD Gold Certified products can be used to earn valuable credits in the CHPS Best Practices Manual for K-12 schools, the US Green Building Council's LEED® Green Building Rating Systems, the Green Guide for Healthcare, the NAHB Green Building Guidelines, Green Globes, Regreen and many other building codes, standards and specifications.

# Exterior

The Exterior of the home can be made to look like anything with a wide array of colors to choose from.



20' pictured to the right. 44' pictured below. These modern designed homes come standard but pitched roofs or solar panels can be added.





# BATHROOM

Bathroom features 36" x 48" shower unit, commode, and sink vanity, medicine cabinet, towel rack.



# KITCHEN

Kitchen features the deluxe hutch with fridge, convection microwave, and two element induction cook top.

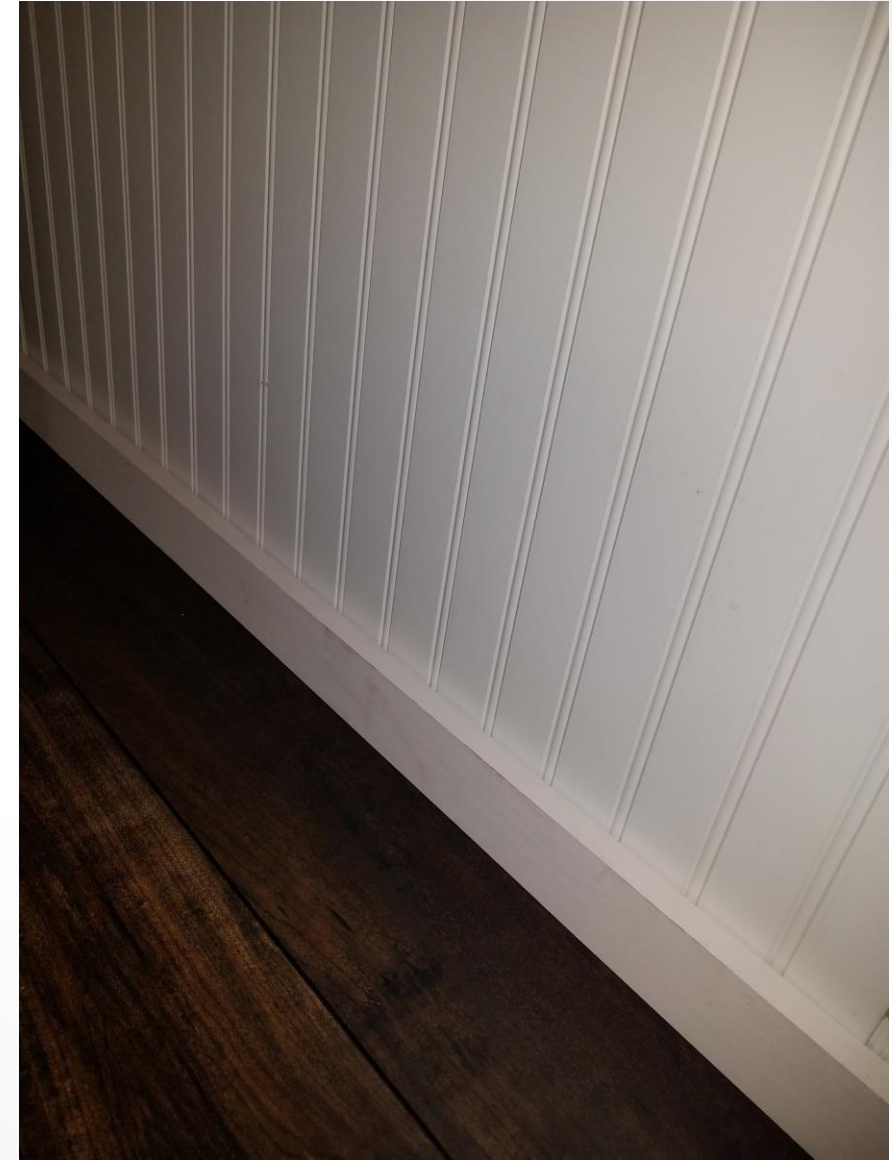
Additional storage shelves and coat/towel rack.



Easy to hide Nuwave.



# BED AND TRIM



Queen bed is displayed with bead board and trim. Heavy duty scratch resistant Laminate flooring.

# COMPETITIVE LANDSCAPE

## IKEA (Canvass tents)

- Replace every 1 to 2 years
- R-value 0
- Not Fire resistant
- Extremely low safety value (cannot stop predators)
- At the mercy of the elements
- Structural weakness
- Indoor climate control

## Containers

- Replace every 2 to 3 years
- R-value 12
- Not Fire resistant
- Very heavy
- Susceptible to rust (should not be deployed near ocean because of sea spray)
- Temperature changes can cause moisture build up within the container also causing rust
- Steel conducts heat extremely well so it has to be heavily insulated dependent of location
- Toxicity concerns

## GLOBAL MANUFACTURERS

- Life expectancy of 50+ years
- Energy efficient R-value 24+ (Passive Home)
- Fire resistant
- Lightweight
- Waterproof
- Emergency Ready
- Mold resistant
- Odorless
- Deployable in -40°C to 40°C
- Patents for structural panel, flexible stucco, universal unit and electrical
- All materials comply to international codes
- Eco-Friendly



**Headquarters:**

1762 Goosepond Drive  
Scottsboro, AL 35769-7822

**Mailing Address:**

PO Box 69  
Scottsboro, AL 35768-0069

Rail Access

4 Lane Road

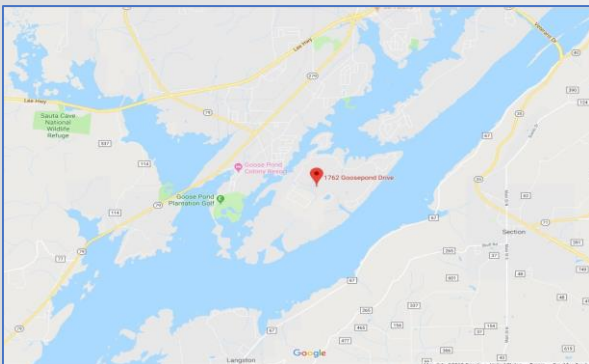
Barge Access

Multiple Loading Bays

40' - 50' Ceiling Height

1,000,000+ SF on 100 Acres

**Web:** [www.globalmfr.com](http://www.globalmfr.com)



**THANK YOU  
FOR  
YOUR ATTENTION**

**Piotr Winiarski**

Westhafenstr. 1

Tel. +49 30 21 96 60 38

[office@tradeoffice24.com](mailto:office@tradeoffice24.com)

D-13353 Berlin

Fax +49 30 21 96 61 74

[www.tradeoffice24.com](http://www.tradeoffice24.com)