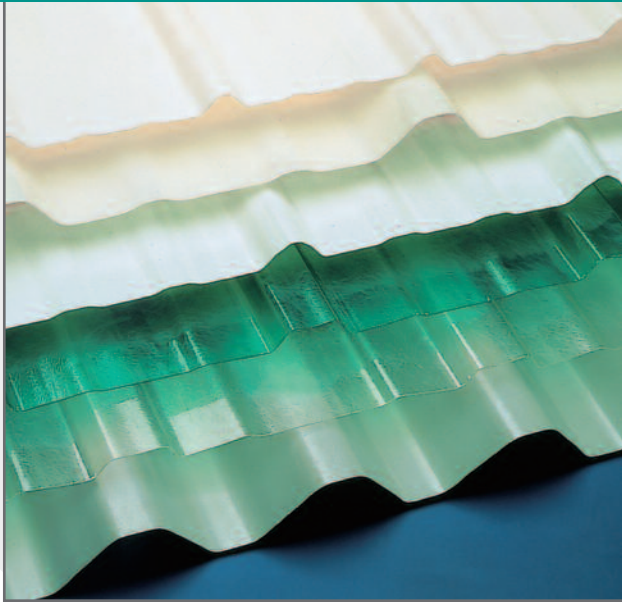




Polylit



Glasteel is a premier North American manufacturer of Fiberglass Reinforced Panels for interior and exterior skylight and sidelight applications. Polylit UV Stabilized Panels are specifically designed to fit various light transmitting applications such as post frame buildings, pre-engineered metal buildings and greenhouses. Polylit Panels are available in a variety of popular shapes which makes it a perfect choice where natural lighting is preferred.

Excellent Quality

- Years of dependable performance
- UV resistant
- Designed to fit most applications
- UV Stabilized Polyester Unsaturated Resin

Improved Chemical Resistance

- Mildew and stain resistant
- Rust proof
- Minimum maintenance and never needs painting

Low Cost Installation

- Easy to handle and install
- No special tools needed
- Wide range of available sizes and weights

Highly Impact Resistant

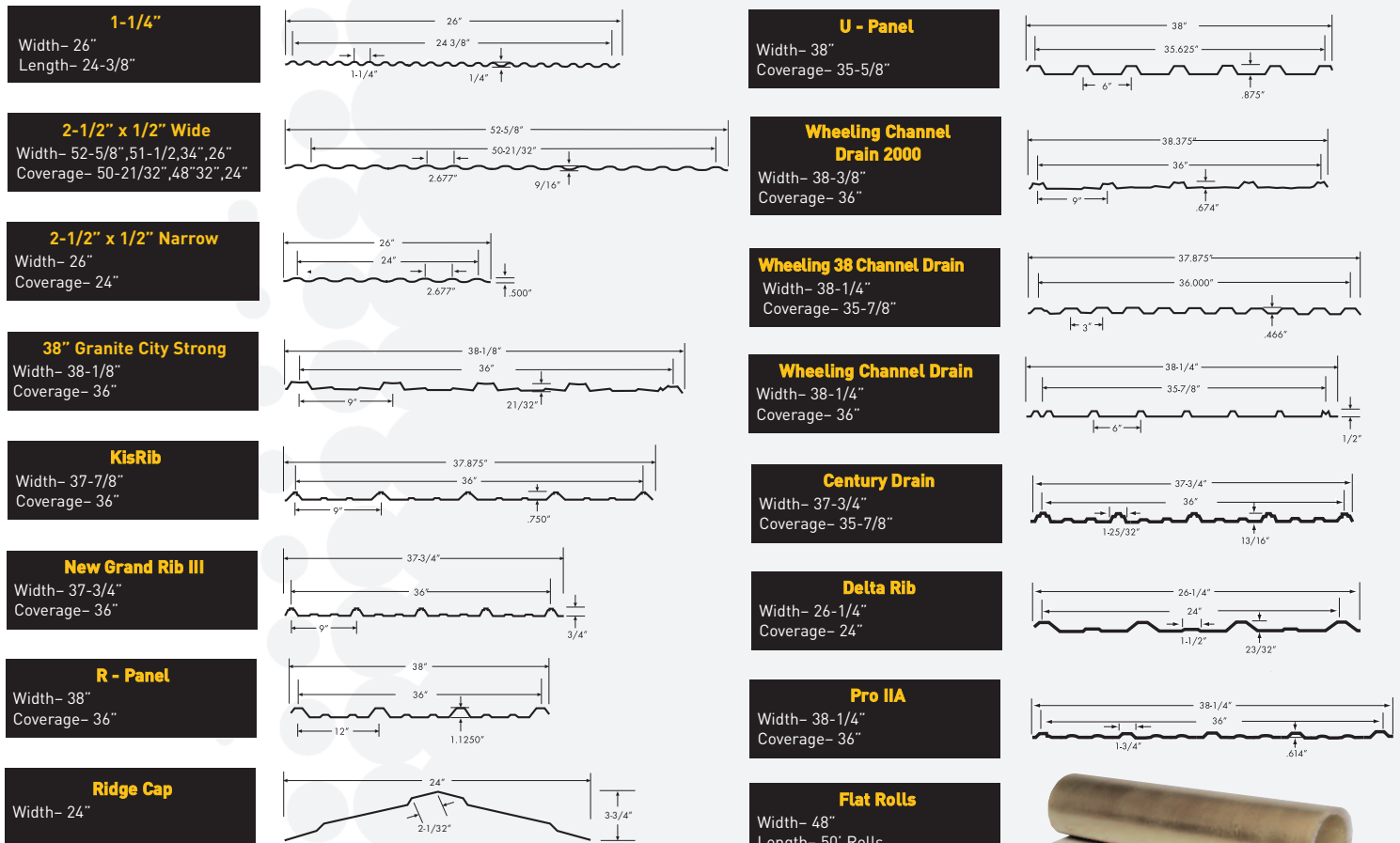
- Extremely high strength to weight ratio
- Tough surface that resists shattering, scratches and abrasions

General Information

- Conforms to ASTM D-3841-97 (2008) Standard Specification for Glass Fiber Reinforced Polyester Plastic Panels

Storage Recommendations

- Store panels indoors in a cool, dry, well ventilated area
- Panels should be stacked on skids not more than 250 sheets high
- Do not stack anything on top of panels



285 Industrial Dr.
 Moscow, TN 38057
 1-800-238-5546
www.glasteel.com



Section 1: Identification

Product identifier

Product Name

- **Stabilit Composite Glass-Fiber Reinforced Polyester Panels**

Synonyms

- Glasliner (Wall, Ceiling Tile, Foundation Liner), Poliacryl, Polylyt, CR Fire-Snuf, Tred-Safe, CR Acryloy, Opalit, Steeler, Versalit, Pultrux

Relevant identified uses of the substance or mixture and uses advised against**Recommended use**

- High Impact Liner for Refrigerated Trailers, Truck Bodies, Containers and Railcars. Liners and Roofs for Refrigerated and Dry Trailers, Truck bodies, Containers and Railcars. Interior Wall and Ceiling panels where sanitary, durable, easy to clean finishes are required. Exterior Corrugated Daylighting and Opaque Panels for residential, commercial and industrial use. Gel-Coated and Non Gel Coated Exterior panels for use as sidewalls and roof panels on recreational vehicles. Structural fiberglass profiles to substitute traditional building materials, such as steel, aluminum and wood.

Details of the supplier of the safety data sheet**Manufacturer**

Stabilit America, Inc.

285 Industrial Drive. Moscow, TN 38057, USA.

Emergency telephone number 1800-238.5546.

Section 2: Hazard Identification

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012

- Not classified

Label elements

OSHA HCS 2012

Hazard statements

- No label element(s) required

Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200(c) - Hazard Communication Standard), the product(s) listed above are exempt as article(s) under stated normal conditions of use.

Classification of the substance or mixture

WHMIS

- Not classified

Label elements

WHMIS

- No label element(s) required

Other hazards

WHMIS

- Under Canadian Regulations (Workplace Hazardous Materials Information System (WHMIS) - Hazardous Products Act (HPA), Section 11(1)), these product(s) are exempt and considered manufactured article(s) under stated normal conditions of use.

Other information

- As an article this material does not legally require an SDS.

Section 3: Composition/Information on Ingredients
Substances

- Material does not meet the criteria of a substance.

Mixtures

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), the products listed above are exempt as articles under stated normal conditions of use. In Canada, these products are considered manufactured articles under the Workplace Hazardous Materials Information System (WHMIS) and are exempt.

Section 4: First-Aid Measures
Description of first aid measures
Inhalation

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, move person to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. Wash skin with soap and water. If signs/symptoms develop, get medical attention.

Eye

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If contact with material occurs flush eyes with water. If signs/symptoms develop, get medical attention.

Indigestion

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, get medical attention.

Most important symptoms and effects, both acute and delayed

- Under normal conditions of use, no health effects are expected.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- No specific actions or treatments recommended related to exposure to this material.

Section 5: Fire-Fighting Measures
Extinguishing media

Suitable Extinguishing Media • In case of fire use media as appropriate for surrounding fire.

Unsuitable Extinguishing Media

- No data available.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- Like other organic building materials (e.g. wood), panels made of fiberglass reinforced plastic resins will burn. When ignited may produce dense smoke very rapidly.

Hazardous Combustion Products

- All smoke is toxic.

Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Section 6: Accidental Release Measures**Personal precautions, protective equipment and emergency procedures**

Personal Precautions

- No special precautions expected to be necessary if material is used under ordinary conditions and as recommended.

Emergency Procedures

- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended. Use normal clean up procedures.

Environmental precautions

- Avoid release to the environment.

Methods and material for containment and cleaning upContainment/Clean-up
Measures

- Carefully shovel or sweep up spilled material and place in suitable container.

Section 7: Handling and Storage**Precautions for safe handling**

Handling

- Use good safety and industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Storage

- Protect from moisture. Store in a cool, dry, well-ventilated place.

Section 8: Exposure Controls/Personal Protection**Control parameters**

Exposure Limits/Guidelines

- No applicable exposure limits available for product or components.

Exposure controls

Engineering

Measures/Controls

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face

- Wear safety glasses.

Skin/Body

- Wear appropriate gloves.

Environmental Exposure Controls

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Section 9: Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Rigid panels produced in a variety of colors with no color
Color	Various	Odor	Odorless
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	pH	Not relevant
Specific Gravity/Relative Density	No data available	Water Solubility	No data available
Viscosity	No data available		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

- Reactivity** • No dangerous reaction known under conditions of normal use.
- Chemical stability** • Stable under normal temperatures and pressures.
- Possibility of hazardous reactions** • Hazardous polymerization will not occur.
- Conditions to avoid** • No data available
- Incompatible materials** • No data available
- Hazardous decomposition products** • No data available

Section 11: Toxicological Information

Information of toxicological effects

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Data lacking
Aspiration Hazard	OSHA HCS 2012 • Data lacking
Carcinogenicity	OSHA HCS 2012 • Data lacking
Germ Cell Mutagenicity	OSHA HCS 2012 • Data lacking
Skin corrosion/Irritation	OSHA HCS 2012 • Data lacking
Skin sensitization	OSHA HCS 2012 • Data lacking
STOT-RE	OSHA HCS 2012 • Data lacking
STOT-SE	OSHA HCS 2012 • Data lacking
Toxicity for Reproduction	OSHA HCS 2012 • Data lacking
Respiratory sensitization	OSHA HCS 2012 • Data lacking
Serious eye damage/Irritation	OSHA HCS 2012 • Data lacking

Potential Health Effects

Inhalation

- Acute (Immediate) • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed) • Under normal conditions of use, no health effects are expected.

Skin

- Acute (Immediate) • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed) • Under normal conditions of use, no health effects are expected.

Eye

- Acute (Immediate) • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed) • Under normal conditions of use, no health effects are expected.

Ingestion

- Acute (Immediate) • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed) • Under normal conditions of use, no health effects are expected.

Section 12: Ecological Information

- Toxicity** • Non-mandatory section - information about this substance not complied for this reason.

Persistence and degradability

- Non-mandatory section - information about this substance not complied for this reason.

- Bioaccumulative potential** • Non-mandatory section - information about this substance not complied for this reason.
- Mobility in Soil** • Non-mandatory section - information about this substance not complied for this reason.
- Other adverse effects** • Non-mandatory section - information about this substance not complied for this reason.

Section 13: Disposal Considerations

Waste treatment methods

- Product waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14: Transport Information

	UN number	UN proper shipping number	Transport hazard class (es)	Packing group	Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

- Special precautions for user** • Dispose of content
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** • Dispose of content

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
SARA Hazard Classifications • None

Canada

Labor

Canada - WHMIS - Classifications of Substances

Not Listed

Canada - WHMIS - Ingredient Disclosure List

Not Listed

Environment

Canada - CEPA - Priority Substances List

Not Listed

United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

Not Listed

Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

Not Listed

United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

Not Listed

Canada - CEPA - Priority Substances List

Not Listed

Section 16: Other Information**Last Revision Date** • 17/October/2014**Preparation Date** • 17/October/2014**Disclaimer/Statement of Liability**

- Every endeavor has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Stabilit America, Inc. accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Federal, State and Local Government regulations.

Key to abbreviations

NDA - No Data Available



Polylit GC

Product Description: Consisting of an 5oz. Polyester Translucent Panel
Chopped Fiberglass Reinforcement

PHYSICAL PROPERTIES

Surface.....Smooth/Textured
Color.....Translucent/Pigmented
Width.....As Defined by Tooling
Length.....Cut to Specifications

<u>PHYSICAL PROPERTY</u>	<u>ASTM STANDARD</u>	<u>WOVEN ROVING VALUES</u>
Tensile Strength	D638	14,000 psi.
Tensile Modulus	D638	1.1 X10 ⁶ psi.
Flexural Strength	D790	25,000 psi.
Flexural Modulus	D790	0.79 X 10 ⁶ psi.
Classification Barcol Hardness	D2583	40 – 50
Light Transmission	D1494	Depending on the color

Tolerances:

Panel Weight.....+/- 10%
Rib Height.....+/- 1/16 in
Length.....+/- 1/8 in
Width.....+/- 1/8 in

Codes and approvals:

ASTM-D3841-08 “Specifications for Glass Fiber-Reinforced Polyester Plastic Panels”

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GLASTEEL™
Division of Stabilit America Inc.
FIBERGLASS REINFORCED PANELS

PRODUCT: TRANSLUCENT, FIBERGLASS REINFORCED PLASTIC PANELS (FRP).

RESIN TYPE: UV STABILIZED, GENERAL PURPOSE, UNSATURATED POLYESTER.

APPLICATION: SKYLIGHTS AND SIDELIGHTS.

PRODUCT SPECIFICATIONS:

WEIGHT: 8oz/sq. ft. Nominal (+/- 10%)

COLORS: White

WIDTH: Various

LENGTH: 8', 10', 12'

LIGHT TRANSMISSION: 55% (+/- 5%) *

DIMENSIONAL TOLERANCES: Length +/- 1/8" (up to 12'), Width +/- 1/8". Weight +/- 10%

*ASTM 1494-60

STORAGE RECOMMENDATIONS:

Store panels indoors in a cool, dry, well ventilated area. Where possible panels should be uncrated and stood vertically on edge. Panels should be stacked on skids not more than 250 sheets high. Do not allow moisture to collect on or in-between panels. Do not stack anything on top of panels.

MAINTENANCE INSTRUCTIONS:

Panels should be washed every 4 months using a mild detergent to remove built up dirt. Washers under fasteners and caulking should be inspected and replaced or repaired when necessary.

INSTALLATION PROCEDURES:

Cutting: Panels can be cut using power saws utilizing fine tooth carbide tipped blades or a safety fabric reinforced abrasive disk. Appropriate safety equipment including a full-face shield should be worn by all operators.

Drilling: All panels should be predrilled for fastener installation not less than 1 ½ inches from the

panel edge and holes should be drilled 1/16" larger than fastener diameter.

- Sealing:** Seal end and side laps using a good quality caulking compound applied according to manufacturer's directions.
- Fasteners:** When possible, fasteners should be installed at high points on the corrugation. Care must be exercised when installing fasteners as over tightening can damage panels causing leaks.
- Installation:** Under no circumstances should panels be allowed to support undistributed loads such as the weight of the human body. Use only approved ladders, scaffolds, and other installation equipment.
-

TYPICAL PHYSICAL PROPERTIES:

PROPERTY	ASTM TEST METHOD	RESULT
Tensile Strength	D-638	10,000 psi
Tensile Modulus	D-638	1.6 X 10 ⁶ psi
Flexural Strength	D-790	25,000 psi
Flexural Modulus	D-790	1.1 X 10 ⁶ psi
Compressive Strength	D-695	25,000 psi
Shear Strength	D-732	12,000psi
Barcol Hardness	D-2583	40 (average)
Water Absorption	D-570	0.25% @ 72 °F / 72hrs
Specific Gravity	D-792	1.45
Izod Impact Strength	D-256	9.0 ft. lbs. / in.
Flash Ignition Temperature	D1929	730 °F
Coefficient of Linear Thermal Expansion	D-696	2.09 X 10 ⁻⁵ in/in/F

Mechanical Properties Determined in Nominal 8 oz/sq ft Panel.

*The physical properties listed are typical values and are not to be considered as specifications. Our suggestions for use are based on tests we believe to be reliable. However, the purchaser must carry out their own tests to determine the suitability of the product for their internal use. Information is given in good faith, but without warranty.

GENERAL INFORMATION:

This product conforms to ASTM D-3841-2001 "Standard Specification for Glass Fiber Reinforced Plastic Panels."

CAUTION:

Under no circumstances should any panel be used as a walking surface or as a support for any other undistributed load.