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**

**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

---

**D - Panel**
- Width: 24"
- Coverage: 48'

**1 - 1/4"**
- Width: 24"
- Length: 24-3/8"

**2 - 1/2" x 1/2" Wide**
- Width: 52-5/8", 51-1/2, 34", 26"
- Coverage: 38-1/4", 28-1/4", 26-1/4"

**2 - 1/2" x 1/2" Narrow**
- Width: 26"
- Coverage: 24"

**38" Granite City Strong**
- Width: 38-1/8"
- Coverage: 36"

**KiaRib**
- Width: 37-7/8"
- Coverage: 36"

**New Grand Rib III**
- Width: 37-3/4"
- Coverage: 36"

**R - Panel**
- Width: 38"
- Coverage: 36"

**Ridge Cap**
- Width: 24"

---

**U - Panel**
- Width: 38"
- Coverage: 35-5/8"

**Wheeling Channel Drain 2000**
- Width: 38-3/8"
- Coverage: 36"

**Wheeling 38 Channel Drain**
- Width: 38-1/4"
- Coverage: 36"

**Wheeling Channel Drain**
- Width: 38-1/4"
- Coverage: 36"

**Century Drain**
- Width: 37-3/4"
- Coverage: 35-7/8"

**Delta Rib**
- Width: 26-1/4"
- Coverage: 24"

**Pro IIA**
- Width: 38-1/4"
- Coverage: 36"

**Flat Rolls**
- Width: 48"
- Length: 50' Rolls

---

Glasteel
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, Polylit, CR Fire-Snuf, Tred-Safe, CR Acryloy, Opalit, Steeline, 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 up**

**Containment/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

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

### 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

<table>
<thead>
<tr>
<th>GHS Properties</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>OSHA HCS 2012 · Data lacking</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>OSHA HCS 2012 · Data lacking</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>OSHA HCS 2012 · Data lacking</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>OSHA HCS 2012 · Data lacking</td>
</tr>
<tr>
<td>Skin corrosion/Irritation</td>
<td>OSHA HCS 2012 · Data lacking</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>OSHA HCS 2012 · Data lacking</td>
</tr>
<tr>
<td>STOT-RE</td>
<td>OSHA HCS 2012 · Data lacking</td>
</tr>
<tr>
<td>STOT-SE</td>
<td>OSHA HCS 2012 · Data lacking</td>
</tr>
<tr>
<td>Toxicity for Reproduction</td>
<td>OSHA HCS 2012 · Data lacking</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>OSHA HCS 2012 · Data lacking</td>
</tr>
<tr>
<td>Serious eye damage/Irritation</td>
<td>OSHA HCS 2012 · Data lacking</td>
</tr>
</tbody>
</table>

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.
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

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN proper shipping number</th>
<th>Transport hazard class (es)</th>
<th>Packing group</th>
<th>Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>TDG</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>IMO/IMDG</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>IATA/ICAO</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Surface</th>
<th>Smooth/Textured</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Translucent/Pigmented</td>
</tr>
<tr>
<td>Width</td>
<td>As Defined by Tooling</td>
</tr>
<tr>
<td>Length</td>
<td>Cut to Specifications</td>
</tr>
</tbody>
</table>

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

**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”

The information offered herein is offered without charge and is accepted at recipient’s sole risk. Because conditions of use vary and are beyond our knowledge and control, Glasteel makes no representation about and is not responsible for the accuracy of data, nor with toxicological effect or industrial hygiene requirements associated with particular uses of any product or process described herein. Glasteel requests that customers test and inspect our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, express or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of Glasteel materials only.
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:**

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

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.*

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**GENERAL INFORMATION:**


---

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