

MATERIAL SAFETY DATA SHEET
VYCOM SHEET

1. PRODUCT IDENTIFICATION

MANUFACTURING SITE: Vycom Corporation
ADDRESS: 801 Corey Street, Moosic, PA 18507
TRADE NAME: Polyvinyl Chloride (PVC, Vintec I, Vintec II, Celtec) sheet and trim.
SYNONYMS: Vinyl Polymers
CAS NUMBER(S): 9002-86-2
TELEPHONE NO.: (570) 346-8254

2. COMPONENTS AND HAZARD CLASSIFICATION

PVC Polymer:	70 - 95%	
Inert Fillers:	0 - 30%	CaCO ₃ , TiO ₂
Heat Stabilizer:	0 - 2%	Organotin Compounds
Lubricants:	0 - 4%	Calcium Stearate; Parafin, Polyethylene, Polyamide compounds, or Esters
Process Aids:	0 - 2%	Acrylic compounds
Impact Modifiers:	0 - 10%	CPE, ABS, MBS or Acrylic Compounds
Colorants:	0 - 2%	Organic and Inorganic
Chemical Blowing Agents:	0 - 1%	Azo Compounds or Sodium Bicarbonate

This product is an article as defined in 29 CFR 1910.1200. It will not result in exposure to hazardous chemicals under normal conditions of use. This product is not subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

3. PHYSICAL DATA

BOILING POINT (°F):	Solid
SPECIFIC GRAVITY (H ₂ O=1):	0.45 - 1.4
VAPOR PRESSURE (mm Hg.):	Solid
MELTING POINT:	Decomposes before melting
SOLUBILITY IN WATER:	Solid
VAPOR DENSITY:	Solid
APPEARANCE AND ODOR:	Finished Sheet

4. FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD):	Not applicable
AUTOIGNITION TEMPERATURE:	Not applicable

FLAMMABLE LIMITS IN AIR. % BY VOL.

LOWER:

Not applicable

UPPER:

Not applicable

EXTINGUISHING MEDIA:

Water spray(fog), foam, dry chemical, or CO2

SPECIAL FIRE FIGHTING PROCEDURES:

Cool exposed equipment with water spray. Use self-contained breathing apparatus if fighting fire in confined spaces.

UNUSUAL FIRE AND EXPLOSION

PVC evolves hydrogen chloride, carbon monoxide, and other toxic gases when burned. Exposure to combustion products may be fatal and should be avoided.

HAZARD:

5. HEALTH HAZARD INFORMATION

Pertains to dust or chips as a by-product of fabricating finished sheet

FIRST AID

EYES: Immediately flush with plenty of water. Call a physician if irritation persists.

SKIN: Flush skin with plenty of water. Remove contaminated clothing. Call a physician if irritation persists. Wash clothing before reuse.

INHALATION: Remove to fresh air.

INGESTION: Seek medical aid.

NATURE OF HAZARD

EYES: If exposed to high concentrations of dust, physical irritation of the eyes.

SKIN: This material is not expected to present a hazard to the intact skin. Molten sheet will produce thermal burns.

INHALATION: Under normal conditions and with normal use, no inhalation hazard is presented. Please refer to Section IV, Fire and Explosion Data.

INGESTION: No significant health hazard can be reasonably anticipated.

EXPOSURE LIMITS

None established. ACGIH TLV of 10 mg/m3 total dust as an 8-hour TWA is recommended.

TOXICITY DATA

SKIN CONTACT: A review of the pertinent literature did not reveal specific information for PVC.

EYE CONTACT: A review of the pertinent literature did not reveal specific information for PVC.

INHALATION: Rodents exposed by the dietary or inhalation route for 6 to 24 months have shown no significant toxicological effects.

INGESTION: See above.

SPECIAL PRECAUTIONS

AVOID INHALATION OF COMBUSTION PRODUCTS.

6. REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: Not applicable

INCOMPATIBILITY: Not applicable

HAZARDOUS DECOMPOSITION PRODUCTS:	Hydrogen chloride and other toxic fumes generated with combustion.
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION:	Not applicable

7. SPILL OR LEAK PROCEDURES

When producing chips or dust from fabricating PVC sheet, sweep, scoop, or vacuum and remove. Dispose of only in accordance with local, state, and federal regulations.

8. SPECIAL PROTECTION INFORMATION

Pertains to dust or chips as a by-product of fabricating finished sheet

VENTILATION RECOMMENDATIONS: General ventilation when fabricating and nuisance dust control.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT RESPIRATORY PROTECTION: If dust is produced during handling, an approved particulate filter respirator should be used.

EYES: Safety glasses or goggles.

GLOVES: Necessary when handling hot or molten sheet.

OTHER CLOTHING AND EQUIPMENT: As necessary when handling hot or molten sheet.

9. SHIPPING, TRANSFER AND STORAGE

SHIPPING INFORMATION: Non-hazardous for transportation purposes.

TRANSPORTATION AND STORAGE USUAL SHIPPING CONTAINERS: Palletized sheets

STORAGE TRANSPORT: Sustained Temperatures above 150°F may cause slow degradation.

ELECTROSTATIC ACCUMULATION HAZARD: Yes

The above data is based upon tests performed by, and experience of Vycom or Vycom's suppliers and is provided for informational purposes only. Vycom's products are intended for sale to industrial and commercial customers. Vycom requests that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Vycom disclaims any liability for damage or injury which results from the use of the above data and nothing contained therein shall constitute a guarantee, warranty (including warranty of merchantability) or representation (including freedom from patent liability) by Vycom with respect to that data, the product described, or their use for any specific purpose, even if that purpose is known to Vycom. Compliance with all applicable Federal, State, and Local laws and regulations remains the responsibility of the user.

Installation Guidelines

These guidelines cover the general installation recommendations for cellular PVC Trim/Sheet.

- Cellular PVC trim and sheet should be installed using the same good building principles used to install wood or composite trim and mouldings and in accordance with the local building codes and the installation guidelines included below. **Vycom** accepts no liability or responsibility for the improper installation of this product.
- Cellular PVC trim and sheet may not be suitable for every application and it is the sole responsibility of the installer to be sure that the products are fit for the intended use. Since all installations are unique, it is also the installer's responsibility to determine specific requirements in regards to each trim application.
- It is recommended that all applications be reviewed by a licensed architect, engineer or local building official before installation.

STORAGE & HANDLING

- Store trim and sheet products on a flat and level surface.
- Since cellular PVC trim products are more flexible than wood, they may conform to uneven surfaces. Ensure that storage areas, as well as all framing and substructures, are flat and level to minimize uneven surfaces.
- Cellular PVC trim products have a density comparable to pine and should be handled in a fashion as pine would be handled to avoid damage.
- Units of the products are shipped from the manufacturer in a protective covering. If covering has been removed, take care to keep product free of dirt and debris at jobsite. If product gets dirty, clean after installation.

CUTTING

- Products can be cut using the same tools used to cut lumber.
- Carbide tipped blades designed to cut wood work well. Avoid using fine tooth metal cutting blades.
- Rough edges from cutting may be caused by excessive friction, poor board support, or worn or improper tooling.

DRILLING

- Cellular PVC products can be drilled using the same tools used to drill lumber.
- Drilling cellular PVC products is similar to drilling a hardwood. Care should be taken to avoid frictional heat build-up.
- Periodic removal of shavings from the drill hole may be necessary.

ROUTING

- Products can be routed using standard router bits and the same tools used to rout lumber.
- Carbide tipped router bits are recommended.
- Routing products provides a crisp, clean edge.

FASTENING

- For best results, use fasteners designed for wood trim and wood siding. These fasteners have a thinner shank, blunt point, and full round head.
- A #8 trim screw may be used and works well with cellular PVC trim products.
- Use a highly durable fastener such as stainless steel or hot dipped galvanized.
- Staples, small brads, and wire nails must not be used.
- The fasteners should be long enough to penetrate the solid wood substrate a minimum of 1 1/4".
- Standard nail guns work well with cellular PVC products. If using pneumatic tools, the air pressure should be regulated so fasteners slightly penetrate the surface.
- Like wood, use 2 fasteners per every framing member for trimboard applications. Trimboards 12" or wider, as well as sheets,

Installation Guidelines

will require additional fasteners, not to exceed 8" on center. See illustration below.

- Fasteners must be installed within 2" of the end of each board. See illustration below.
- There must be 2 fasteners on each side of a board joint (scarf, miter, etc.).
- All fasteners must hit a solid framing member.
- Cellular PVC products should be fastened into a flat, solid substrate. Fastening the material into hollow or uneven areas must be avoided.
- Pre-drilling is typically not required unless a large fastener is used or product is installed in low temperatures.
- 3/8" and 1/2" sheet product is not intended to be ripped into trim pieces. These profiles must be glued to a substrate and mechanically fastened.

BEADBOARD FASTENING CONSIDERATIONS

(Use one of the following):

- #7 trim screw
- 16 gauge T-nail
- 15 gauge round head (for 1/2" Beadboard only)
- Fasteners should be a minimum of 1 1/2" in length

GLUING

- For best results, glue all joints such as window surrounds, long fascia runs, etc., with a cellular PVC cement to prevent joint separation.
- The glue joint should be secured with a fastener and/or fastened on each side of the joint to allow adequate bonding time.
- Cellular PVC cement typically has a working time of 10 minutes and will be fully cured in 24 hours.
- If standard PVC cements are used, these products typically cure quickly which will result in limited working time and may reduce adhesive strength.
- For best results, surfaces to be glued should be smooth, clean and in complete contact with each other.
- For best results, whenever possible, always use scarf joints instead of butt joints.
- To bond cellular PVC material to other substrates, various adhesive may be used. Consult adhesive manufacturer to determine suitability.
- Must have 2 fasteners on each side of a board joint (scarf, miter, etc...).

PAINTING

- Cellular PVC trim does not require paint for protection, but accepts and holds paint very well.
- If you choose to paint, use a 100% acrylic latex paint with colors having a Light Reflective Value (LRV) of 55 or higher.
- For darker colors (LRV of 54 or lower), use paints specifically formulated for use on vinyl/PVC products such as, but not limited to, Sherwin-Williams Vinyl Safe® coatings. These paints/coatings are designed to reduce excessive heat gain.
- WARNING: It is recommended that you only use standard VinylSafe® paint colors and do not request a custom blend from the paint manufacturer.
- Follow the paint manufacturer's recommendations for use and compatibility
- Surfaces must be clean, dry, and void of any foreign material such as dirt, oil, grease or other contaminants that may come from normal handling, storage and/or installation prior to painting.
- Moisture cycling is a main reason for paint failure on wood. Since cellular PVC material absorbs no moisture, paints last longer on the products than it does on wood.
- Since cellular PVC products have almost no moisture absorption, paints may take longer to cure on the material than on wood. Generally paints on cellular PVC will be dry to the touch quickly, but may take up to 30 days to fully cure depending on the humidity and temperature.

EXPANSION & CONTRACTION

- Cellular PVC products expand and contract with changes in temperature.
- Properly fastening material along its entire length will minimize expansion and contraction.
- When properly fastened, allow 1/8" per 18 feet of product for expansion and contraction. Joints between pieces of material

Installation Guidelines

should be glued to eliminate joint separation. See "Gluing".

- When gaps are glued on a long run of cellular PVC material, allow expansion and contraction space at ends of the run.
- Cellular PVC trim should be glued to a substrate and mechanically fastened to help minimize expansion and contraction.
- WARNING: Dark colors may increase movement and expansion and contraction of PVC Trim.

SPANNING

- Cellular PVC products must not be used in load bearing applications, but may be used in spanned applications such as fascias, soffits and ceilings. Material should be installed over a solid backing.
- For soffit installations :
 - For spans greater than 16" OC, see below.
 - When using beadboard, see considerations below.
- For ceiling installations :
 - For spans greater than 16" OC, see below.
 - If temperature at time of installation is 40°F or below, spans need to be decreased to 12".
 - When using beadboard, see consideration below.
- BEADBOARD SPANNING CONSIDERATION:
 - For both 1/2" and 5/8" beadboard, run boards perpendicular to structure when possible to create the shortest possible run of material.
 - When using 1/2" beadboard, use 12" OC framing as well as use a high quality construction grade polyurethane adhesive on joists.
 - For spans greater than 12" OC, use 5/8" beadboard or use a minimum 1/2" backer such as plywood or OSB with construction grade adhesive and mechanical fastening a minimum of every 8". Fasteners should hit joist or framing when possible.
 - When using 5/8" beadboard, use 16" OC framing as well as use a high quality construction grade polyurethane adhesive on joists. For spans greater than 16" OC, see below.
- For spans greater than 16" OC, use a minimum 1/2" backer such as plywood or OSB with construction grade adhesive and mechanical fastening a minimum of every 16". Fasteners should hit joist or framing when possible.
- Never span cellular PVC products more than 16" without utilizing instructions above. Proper fastening will help reduce the possibility of excessive movement from expansion and contraction.
- With all beadboard or trim ceiling and soffit installations, follow good building practices and ensure adequate ventilation is provided.

Appendix B

VYCOM LIMITED WARRANTY

WARRANTY COVERAGE

Subject to the terms and conditions stated herein, VYCOM (hereinafter Manufacturer) warrants to the original purchaser that each VYCOM plastic sheet product (hereinafter "Product") will be free from manufacturing defects that cause the Product to rot, corrode, delaminate, or excessively swell from moisture for a period of twenty-five (25) years from the date of the original consumer purchase from an authorized VYCOM dealer. Each purchaser of a VYCOM Product is solely responsible for determining the effectiveness, suitability and safety of any particular use or application of the Product. Building code regulations vary from area to area. Each VYCOM purchaser should consult local building and safety codes for specific requirements.

LIMITATIONS – CONDITIONS NOT COVERED BY THIS WARRANTY:

Manufacturer's liability under this Warranty applies to the original purchaser only and is limited solely and exclusively to replacement of defective Product. In no event shall Manufacturer be liable for labor, installation, reinstallation, freight, taxes or any other charge related to defective Product. Manufacturer shall not be liable for any indirect, incidental, punitive, consequential, exemplary or other damages of any kind whatsoever, whether any such claim is based upon theories of contract, warranty, negligence, tort strict liability or otherwise. This warranty does not cover, and Manufacturer is not liable for, damage or failure of the VYCOM Product as a result of one or more of the following: intentional or unintentional misuse of or damage to the Product; impact of foreign objects; earthquakes, fire, flood, lightning, ice, tornado, hurricane, windstorm or any other Acts of God; improper installation of the Product or its structural supports; movement, settlement, distortion, warping or cracking of the Product's structural supports or accessories used in connection therewith; physical abuse, vandalism, riot, insurrection, improper maintenance, use or incompatible accessories or other products that cause a Product defect or failure to occur; pollution, acid rain, application of harmful chemicals or vapors applied to the Product; or ordinary and expected weathering due to exposure to the elements, which for purposes of this Warranty is defined to be fading, chalking or darkening of the surface of the Product due to exposure to ultraviolet light and extremes of atmospheric conditions that are unique to and may vary in each geographic location. This Warranty does not cover painted finishes or coatings applied to the Product by the original purchaser or any third party. Failure to adhere to Manufacturer's recommended guidelines for application of painted surfaces may void this Warranty. All claims under this Limited Warranty must be made within 90 days from the time that the defect is discovered and while the Product is in place. Manufacturer shall be given a reasonable opportunity to inspect and test the Product, its installation, and the environment in which it was used prior to removal by the original purchaser. Failure to comply with these notice and inspection provisions shall void this Limited Warranty.

This Limited Warranty may not be altered or amended except in a written instrument signed by the Manufacturer and purchaser. No dealer or other person or entity is authorized by the Manufacturer to make statements or representations regarding the performance of VYCOM Products except as contained in this Warranty, and the Manufacturer shall not be bound by any such statements other than those contained herein.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ANY AND ALL OTHER APPLICABLE WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Some states do not permit limitations on the duration of implied warranties or exclusions or limitations of incidental or consequential damages. This warranty gives you specific legal rights. You may have other rights that vary from state to state.

HOW TO FILE A WARRANTY CLAIM: To file a claim under this Warranty, original purchaser must send proof of purchase, a picture of the defective Product and a written description to:

VYCOM
801 Corey Street
Scranton, PA 18505.
(570) 348-0997

Manufacturer reserves the right to investigate any claim hereunder. Upon verification of a claim, Manufacturer shall, at its option, either arrange for the delivery of replacement Product or issue a refund equal to the original cost of the Product only.



AZEK® TRIM AND MOULDING WARRANTY

LIFETIME LIMITED WARRANTY

Statement of Warranty: This warranty is given to either (1) the original purchaser or (2) the owner[s] of the property at the time of installation, if different from the original purchaser (collectively hereinafter "Purchaser"), of AZEK Trim or Moulding Products (hereinafter "Products").

Except as set forth in the exclusions, limitations and restrictions set forth below, The AZEK® Company LLC (hereinafter "Manufacturer") warrants that for the lifetime of the Product, the Products will, from the date of the original purchase, be free from material defects in workmanship and materials that (1) occur as a direct result of the manufacturing process, (2) occur under normal use and service, (3) occur during the warranty period and (4) results in corrosion, rotting, splitting, splintering, delamination, warping or swelling excessively from moisture.

Each purchaser of the Products is solely responsible for determining the effectiveness, suitability and safety of any particular use or application of the Product. Building code regulations vary from area to area. Each Purchaser should consult local building and safety codes for specific requirements.

LIMITATIONS – CONDITIONS NOT COVERED BY THIS WARRANTY: Manufacturers liability under this Warranty is limited solely and exclusively to replacement of defective Products. In no event shall Manufacturer be liable for labor, installation, reinstallation, freight, taxes or any other charge related to defective Products. Manufacturer shall not be liable for any indirect, incidental, punitive, consequential, exemplary or other damages of any kind whatsoever, whether any such claim is based upon theories of contract, warranty, negligence, tort strict liability or otherwise. This warranty does not cover and the Manufacturer is not liable for damage or failure of the Products as a result of one or more of the following: intentional or unintentional misuse of or damage to the Product; impact of foreign objects; earthquakes, fire, flood, lightning, ice, tornado, hurricane, windstorm or any other Acts of God; improper installation of the Product or its structural supports; movement, settlement, distortion, warping or cracking of the Products structural supports or accessories used in connection therewith; physical abuse, vandalism, riot, insurrection, improper maintenance, use or incompatible accessories; or other products that cause a Product defect or failure to occur; pollution, acid rain, application of harmful chemicals or vapors applied to the Product; or ordinary and expected weathering due to exposure to the elements; which for purposes of this Warranty is defined to be fading, chalking or darkening of the surface of the Product due to exposure to ultraviolet light and extremes of atmospheric conditions that are unique to and may vary in each geographic location. This Warranty does not cover painted finishes or coatings applied to the Product by the Purchaser or any third party. Failure to adhere to Manufacturers recommended guidelines for application of painted surfaces may void this Warranty. All claims under this Limited Warranty must be made within 90 days from the time that the defect is discovered and while the Product is in place. Manufacturer shall be given a reasonable opportunity to inspect and test the Product, its installation, and the environment in which it was used prior to removal by the original purchaser. Failure to comply with these notice and inspection provisions shall void all warranties with regard to the Products.

This Warranty may not be altered or amended except in a written instrument signed by the Manufacturer and Purchaser. No dealer or other person or entity is authorized by the Manufacturer to make statements or representations regarding the performance of Products except as contained in this Warranty, and the Manufacturer shall not be bound by any such statements other than those contained herein.

TRANSFER OF WARRANTY: This warranty may be transferred one (1) time, within the five (5) year period beginning from the date of original purchase by Purchaser, to a subsequent buyer of the property upon which the Products were originally installed.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ANY AND ALL OTHER APPLICABLE WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Some states do not permit limitations on the duration of implied warranties or exclusions or limitations of incidental or consequential damages. This warranty gives you specific legal rights. You may have other rights that vary from state to state.

HOW TO FILE A WARRANTY CLAIM: To file a claim under this Warranty, Purchaser must send proof of purchase, a picture of the defective Product and a written description to the Manufacturer using AZEK's online warranty claim form process available at <http://www.azek.com/warranty/warranty-claims-center.aspx>. Alternatively, Purchaser may submit a claim by contacting the Manufacturer at the following address:

AZEK Building Products, 888 N. Keyser Avenue, Scranton, PA 18504

Manufacturer reserves the right to investigate any claim hereunder. Upon verification of a claim, Manufacturer shall, at its option, either arrange for the delivery of replacement Product or issue a refund equal to the original cost of the Product only.

This warranty is effective for consumer purchases made on or after January 1, 2017.

Copyright © 2018 The AZEK® Company LLC