



# Platinum Ultimate Product 3.5" and 5.5"

## Assembly Manual

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## **Contents:**

Safety Precautions

P.A.T. provided supplies

Contractor provided supplies, equipment and tools

Product Identification & Labeling

General Notes for all Products

Mounting Track Installation

Exterior Wall

- Installation and Connections

- Corner Connections

- Multi-Panel Assemblies

- Multi-Panel Assembly Alternate

Interior Wall Connections

Ceiling Product Connections

- Foamed Ceiling Panels Bearing on Top of Walls

- Foamed Ceiling Panels Set Inside Walls

- Open Frame Ceiling Panels

Roof Product to Wall Product Connections

- Roof Product to Roof Product Connections

Truss to Wall or Ceiling Product Connections

Field Repair Procedure and Helpful Tips

- Panels Gaps

- Repair and Filling of Voids

- Dented Panel Track or Stud

- Shorten a Panel

- Extend a Panel

- Adding or Altering Plumbing & Electrical

MSDS Sheets for Foam & Fiberglass

**DO NOT begin assembly before fully reading and understanding this manual, connection details and panel plan. For additional information call: Tech Help Line: 800-961-4880, Option #4, 9 a.m. – 5 p.m. EST, Monday through Friday.**

## Safety, Handling and Care of Platinum Technology Products

The steps in this manual are designed for a faster, safer and cleaner job.

Proper handling and care ensures safety and minimizes damage to the Platinum Technology products on the jobsite. Please follow these guidelines when handling, unloading, preparing, and using our products.

### Safety Precautions:

Due to the use of fiberglass structural fabrics in our product, precautions should be taken to ensure comfort and safety when handling and working as with any fiberglass material.

The continuous filament glass used in the fabric can create “dust” which may irritate the skin, eyes or airways. For skin protection, normal work clothes are recommended (long sleeve shirts and long pants) and gloves. Washing with COLD water is the best way to remove any dust fibers.

For respiratory protection, a NIOSH approved N95 series dust respirator (such as 3m model 8210, or equivalent) should be used. For eye protection, wear safety glasses or goggles.

- Follow all precautions for safety and safe handling.
- Ensure that forklift tongs/forks are level and don't penetrate products when loading or unloading shipping crates.
- Strap crate to forklift when loading or unloading in order to eliminate the possibility of crate sliding off forklift tongs/forks.
- Place crates in a clean, dry, low-traffic area not prone to flooding.
- Arrange crates in the order needed for construction, with exterior wall crates nearest the foundation, followed by interior wall crates, then ceiling and/or roof crates farthest from the foundation.
- Leave products in the crates until needed. Part numbers for products located in the crates are listed on the exterior of the crate and on shipping documents.
- Remember when opening pallets that the starting wall product should be located on top, followed by the second, and so on.
- It is recommended that two people should always carry product, to minimize dropping due to wind gusts, tripping, falling or excessive weight.
- Follow the job site document for the starting order and product sequencing.
- Keep jobsite clean and clear at all times to minimize accidents.
- DO NOT stab crate sides with forklift during loading or unloading.
- DO NOT stack crates on top of each other.
- DO NOT allow one person to carry products.
- DO NOT erect walls without proper bracing
- DO NOT fasten walls without ensuring that wall is plumb, square and level.
- DO NOT substitute product or change the intended product locations.



## Platinum Advanced Technologies provides:

These are the components you will receive at your jobsite:

- One set of 24x36 plans for construction; including a panel layout plan, dimension plan and orthographic views for walls, ceiling and roof product, as applicable.
- Shipping List, showing panel pallets, packed in order of assembly; ie, panel EXF 1 on the top, EXF 15 on the bottom of a pallet. Delivery to be scheduled with panel recipient.
- Bottom mounting track for all load bearing walls (as required by architect/engineer).
- Top track for all exterior walls.
- Joining straps and corner clip angles, exact number is based on the anticipated number of panel joints.
- Collated or bulk fasteners #10 x 3/4 or #2 square drive, flat head, self-drilling point. Number delivered is base don the anticipated number of joint straps, angel corner clips and length of top and bottom track, but may not be enough to complete your installation.
- OPTIONAL ITEMS for purchase: Foam sealant, Bostik urethane sealant and Senco collated screw guns.

## Tools, Equipment and Supplies Needed:

You should provide the following tools and equipment to quickly and efficiently construct a Platinum Technology building:

- Small forklift or adequate personnel to unload panel pallets from the delivery truck.
- Foam sealant, Handi-Stik 10169 foam sealant, or equivalent, recommended. One 24 ounce can yield 1856' for a 3/8" bead. If guns are used, also purchase cleaning solvent.
- Urethane sealant(Bostik Chem Caulk 915, or better) for water-resistant seal under bottom mounting track.
- Anchors for bottom mounting track to foundation connections, as specified by designer of record.
- 1 - Pair of Saw Horses
- 1 - Cordless screw gun per worker
- 1 - Circular Saw & blades
- 1 - Reciprocating Saw & blades
- 1 - Pair Work Gloves Per Worker
- 2 - 3' Magnetic Levels
- 1-Tape measure per worker
- 2 - Chalk Lines
- 2 - 8' Ladders
- 2 - 14' Ladders
- 20 - #2 square-head or Screw Bits
- 3 - 2", 4", and 6" magnetic Drill Bit Extensions
- 1 - Or More Uni-Bit Type Step-Down Bit
- 2 - 50' Electrical Extension Cords
- 2 - Straight Metal Snips
- 1 - String Level
- 1 - 5-lb to 8-lb Sledge Hammer
- 8 - 1 1/2" Hole Saw Bits
- Brooms



- Bull point chisel
- OPTIONAL: pneumatic “pin” guns can be used instead of screws

## Product Identification and Labeling:

EXF Exterior wall product, foamed  
 EXO Exterior wall product, open frame  
 INO Interior wall product, open frame  
 INF Interior wall product, formed  
 Ceil. Ceiling product, either open frame or foamed  
 Roof. Roof product, either open frame or foamed

EXF 1 would describe the exterior foamed wall panel number 1, and corresponds to that panel on the panel plan layout.

Note that some larger window and door units will require multiple parts to assemble. For instance, parts EXF 6, 7, 8 and 9, could describe the two jacks, the sill, and header panels for a 4 – part window assembly.

A product numbered INO 9 would describe an interior, open-framed wall section.

## For All Products:

Please follow these procedures closely. Quality workmanship leads to a properly constructed structure free from gaps that cause air and moisture leaks, as well as pest infestations. Familiarity with the Prescriptive Method for Residential Cold-Formed Steel Framing by NASFA will be helpful during construction. This is the accepted primary resource for standard steel framing and is where our connection details originate from.

## Mounting Track Installation:

**IMPORTANT:** Verify all foundation dimensions against floor plan, note any deviations. Any variations greater than 1/8" will need to be adjusted for when laying out the track.

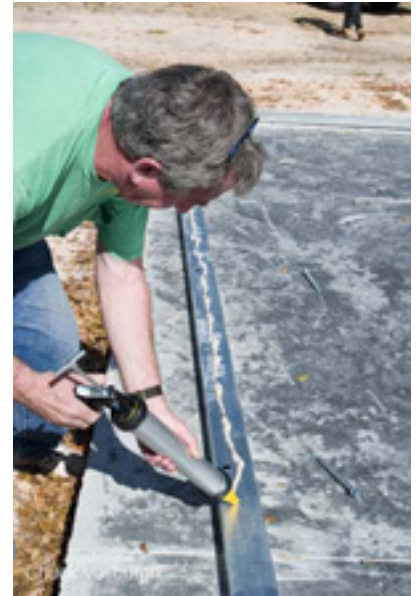
1. Layout lines for the mounting track according to floor plans, ensuring they are precise, straight, square and parallel or perpendicular.
2. Check diagonal dimensions as much as possible, for squaring.
3. Repeat squaring procedure at each corner.
4. At each corner of the building, the track should meet and join in strict accordance with the panel layout plan. (Note orientation 'circles' on the panel layout that indicate direction of overlap).
5. Marking the by-pass at each corner onto the foundation helps ensure that the track lay-out crew will know exactly how to run the track.
6. Install bottom mounting track around perimeter, where exterior walls will go.
  - a. Place urethane sealant (Bostik Chem Caulk 915) on



Circles indicate the direction panels overlap



- the bottom of the track before anchoring track to the foundation.
- b. After putting sealant onto bottom of track, press into place on the foundation, holding to the snapped lines.
  - c. Anchor the mounting track as specified by the architect or engineer of record. The bottom mounting track may have pre-punched holes for appropriate fastener spacing.
7. Do not lay track over door openings, or do not fasten/adhere track there, as it will have to be removed later.
  8. The track should be as level as possible around the entire perimeter of the floor to ensure proper alignment of installed wall products.
  9. In order to adjust for an un-level foundation, you may want to use a self-leveling, non-shrinking grout in the bottom of the mounting track after installation of the track.



## Exterior Wall Installation and Connections:

Locate the first pallet (usually begins with EXF 1) of panels to begin erecting walls. Follow panel layout both for the placement, orientation of each numbered panel and the overlap direction for corner panels.

1. Start at with panel EXF 1 (or EXO 1 if using open framing) and the last numbered panel, to form a corner.
  - a. The ID label should be on the interior surface in the lower right-hand corner of the panel when you place it in the track.
2. If your anchors have large heads you may need to dimple, or use bull point chisel drill out the bottom of the panel to accommodate the large anchor heads. This permits a good fit and ensures that each panel rests evenly in the mounting track.
  - a. Measure where the heads hit the bottom edge then make an accommodating hole using the 1 ½" hole saw, a ball-peen hammer or mason spike to dimple the bottom track of the panel.
3. Apply foam sealant in the mounting track before placing each wall panel. This increases adhesion, prevents wind, moisture intrusion, pest infestation and creates a thermal barrier.
4. Make sure panel is seated all the way into the track, leaving small gap, and fill foam starting at the bottom and moving up, closing it as you go. Level and plumb before fastening to mounting track. Then secure it by fastening with #10 screws through the mounting track at each stud both on interior and exterior sides.



5. To add the rest of the panels:
  - a. Place the new panel in the track but about ½" away from the first panel placed to allow room to apply foam sealant between panels.
  - b. Add a bead of foam sealant into panel joint.
  - c. Immediately slide new panel into place, tightly against previous panel.
  - d. If necessary, use a sledge hammer and scrap wood to tap new panel tightly against the adjoining panel, ensuring no gaps remain.
6. Verify that each panel is straight, plumb and level.
7. Fasten panel to the bottom track at each stud, both sides.
8. Quickly join panels together by fastening with joining straps at panel joints, both sides. (you only have about 3-5 minutes working time with the foam sealant)
9. Brace walls during construction every ten feet, or as needed. You may install intersecting interior wall product to provide bracing.
10. After all exterior walls have been placed, leveled, plumbed and fastened; apply a top track to perimeter walls.
  - a. Fasten through track legs at each stud on each side, as with the bottom mounting track.
  - b. You may wait until ceiling product or trusses have been placed to fasten.



### Exterior Wall Corner Connections:

When you assemble a corner, both products should be plumb and level and properly braced until you complete all connections. Always begin fastening panels by screwing through mounting track into panel, at each stud, on each side. Add clip angels inside the corner to join panel to panel. On exterior of corner, use flat join straps along the vertical joint.

### Exterior Wall Multi-Panel Assemblies for Large Windows/Doors:

Due to window or door sizes, some openings must be made up of a multi-panel assembly. These include the left and right side jack panels, the header panel and in the case of windows, the sill panel.

1. Install the first jack stud piece to its adjoining wall panel.
2. Place sill panel; verifying allowed window spacing with construction documents.
  - a. If there is no sill panel, as in a SGD opening, precise spacing between jack panels MUST be determined by the construction documents.
  - b. DO NOT rely on length of the header panel to determine opening. Header



has been sized to allow 1/8-1/4" tolerance for assembly.

3. Add second jack panel and adjoining panel for stability.
4. Finally, place header over the jacks.
5. All components must have foam sealant applied as usual and be connected with panel joining straps. See details for specifics.

## Alternative Installation for Large Window/Door Headers:

If the fit is loose between adjoining wall panels and the header panel; according to dimensions on construction documents.

1. Attach a short piece of track vertically to the edge of the adjoining wall panel just above the attached jack stud, using flat headed fasteners through the inside web of the track, into the panel edge. This section of track then acts like a 'slip track' allowing adjustments in the spacing of the header.
2. The vertical track section may then receive the header panel ends rather than using join straps to secure the header.
3. Fasten thru the legs of the additional track section into the end studs of the header panel.



## Interior Wall Connections:

Interior walls install in the conventional manner for frame construction, or for pre-assembled steel framing.

1. Mark off interior wall locations by snapping chalk lines onto foundation, as indicated on plans. BE PRECISE. No mounting track will be used since interior walls are not normally foam filled.
  - a. Some applications might dictate foam-filled interior walls for acoustic, structural or other reasons. If the interior wall is load-bearing then secure to foundation with approved anchors and bottom mounting track, if panels are foam-filled.
  - b. If non load-bearing, then P.A.F., (powder actuated fastener such as Ramset, Hilti, etc.), may often be used.
2. Attach to exterior walls by fastening screws through the web of the interior wall stud into the top and bottom track of the exterior wall.
3. Also fasten at the mid point of the exterior wall product by using clip angles into the two backer studs, approximately 3 1/2" apart. Alternately, fasten through the web into the cross strapping of the exterior panel.
4. Join abutting interior wall sections by fastening through the web of the end studs with 2 #10 screws abreast, 12" o.c. down the stud.



## Ceiling Product Connections:

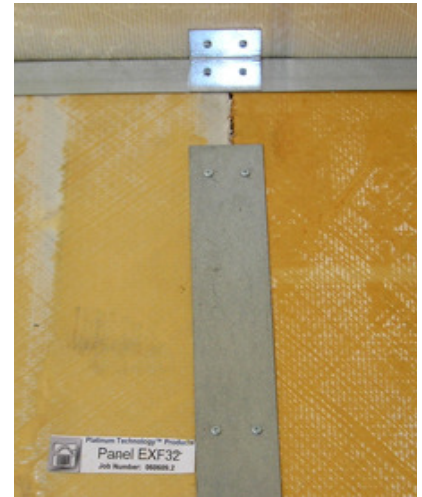
Ceiling products are often thicker and longer than wall products and thus are heavier. Be cautious and use safety procedures when handling these products overhead.

Ceiling panels may either be set on top of walls or set 'inside' of walls depending on ceiling height changes and design requirements.

Wall panel top track must be installed before setting ceiling panels.

### Ceiling Panels Bearing on Top of Walls:

1. Following ceiling panel plan, layout ceiling panels being careful to check alignment with exterior walls.
2. Fasten each ceiling panel to the exterior of the wall panel below with a double strap at panel joints and a single strap at each wall stud.
  - a. Ensure that the exterior end of ceiling product is flush with the exterior face of the wall product, and that the other end of the ceiling panel is bearing properly.
3. You may need to accommodate for electrical conduit. Measure or mark where indicated and drill through with appropriate sized bit to receive the conduit. You can fill in the cavity with canned foam for any case where too much foam is excavated.
4. At the interiors, fasten each ceiling panel joist with a clip and the appropriate screws. Use a double clip at panel joints.
5. Fasten ceiling panels together by using the flat joining straps, as with the wall panels.
  - a. Straps should be fastened to both the top and bottom surfaces of panels.



### Foamed Ceiling Panels Set Inside Walls:

1. Fasten either a steel 'L-angle' or bottom mounting track fastened to inside face of exterior wall product, to receive edge of ceiling product.
  - a. Check construction documents for correct placement height.
  - b. Follow ceiling panel layout for location of receiving track or L-angle.
  - c. Some panels may bear on top of walls on one side and face mount on the other, as dictated by the design.
2. You MUST carefully brace any face mounted ceiling panels until proper fastening is completed.

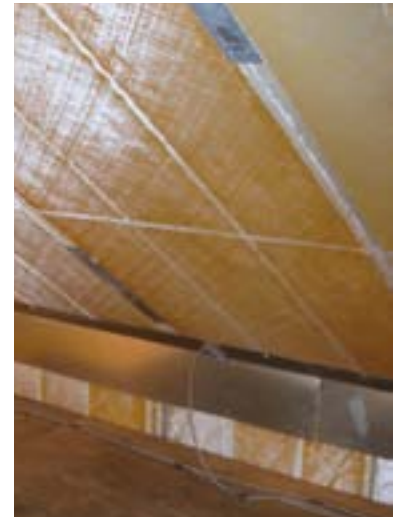
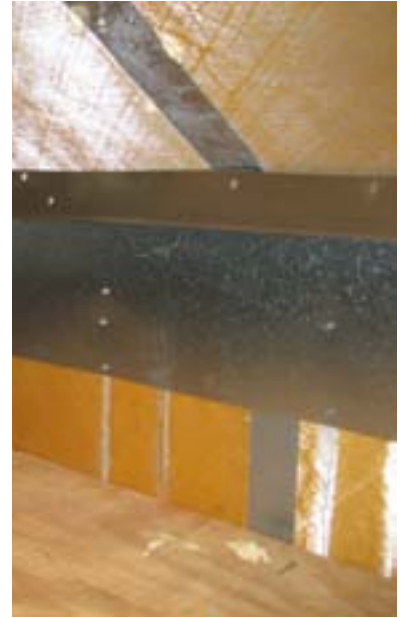
### Open Frame Ceiling Panels Bearing on Top of Walls or Set Inside Walls:

1. Joists may be fastened directly through web into top of exterior and interior wall product, as well as adjoining ceiling panels.
2. If mounting to interior face of walls USE BRACING.
3. See above fastening methods.

## Roof Product to Wall Product Connections

Roof product connectors will be determined by Architect or Engineer of record. Refer to details for suggested fastening methods.

1. Use roof panel plan to layout panels.
2. Erect knee walls, if provided, or build walls as needed before beginning assembly of roof.
3. Pick a point of origin to begin the layout, based on standard roof framing experience.
  - a. Suggested points include: for hip roof - ridge line and corners; for gables start at ends.
  - b. It may be best in complicated roofs to start at the critical points and work towards the center, making adjustments, if needed, to center panels.
4. See Details for suggested connections and Designer of Record for specific connecting requirements for local building code compliance.
5. Set eave/overhang of panel using metal strapping or length of break metal (bent at appropriate angle) fastened to the roof panels at the point where inside of exterior wall will meet the roof panel. This serves as a 'stop', aiding the assembly. Add fasteners at each joist and at panel edges.
6. Fasten one 7" (for 5.5" product) or 5" (for 3.5" product) deck screw through each roof "rafter" into the top plate of the wall it is resting upon. If any additional roof system framing is used in your design such as knee walls, etc., use clips and 7"/5" roof screws.
7. Join the roof products at the ridge by connecting each "rafter" with a 3" x 12" strap, bent to the proper angle.



## Roof Product to Roof Product Connections

Use the flat joining straps for connections between panels, as with wall panel connections. Fasten each abutting roof product at both their interior and exterior sides by using the flat joining straps and appropriate screws.

Remember to use foam sealant between panels before adding straps on top.

## Truss to Wall or Ceiling Product Connections

Make truss to wall or ceiling product connections in the conventional manner, according to your plans and in accordance with local building codes. See details for suggested connections.

Use appropriate truss connection specified by the Architect or Engineer of record for the load conditions of your project. Apply the specified truss connector according to the manufacturer's instructions.



## Field Repair Procedure and Helpful Tips

You can field modify Platinum Technology products to accommodate plumbing, wiring, etc. Product can also be repaired if damaged during shipping or construction by the following methods.

NOTE: During product modifications, higher levels of fiber dust may be produced, so be sure to follow Safety Precautions.

### Panel Gaps

To ensure the tightest fit possible between panels you may use a ratcheting hold-down to encourage the products to come together. A sledge hammer can also be used to strike a piece of 2x4 blocking laid squarely against the panel edge to avoid damage to panels and to assist with positioning it properly. Always check plumb and level of panels while using these techniques.

### Repair and Filling of Voids

Use canned polyurethane foam, (we recommend Handi Foam by FOMO), available at local hardware stores. Insert the straw of the can into the void at the lower most portion and release product into necessary area as the straw is moved slowly upwards. Quickly place blocking over the imperfection and apply pressure for 30 minutes or until the new foam is dry. You may also choose to let the foam free-rise and trim the excess after curing is complete.



### Dented Panel Track or Stud

If the galvanized steel studs or track become damaged during shipment or construction, straighten the sheet metal back to its prior shape as best as possible, without creating further damage to the product.

### Reducing Panel Width

To ensure proper fit and alignment the product can be field modified by ripping off one side. Simply measure, (mark it "heavy", allow another 1/8") and rip as normal. Then "wrap" the cut edge with available track material and fasten with screws to top and bottom studs and any intermediate straps.

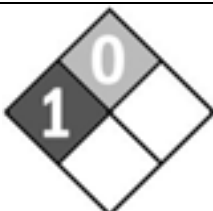


### Extend a Panel

To ensure proper fit and alignment the product can be field "widened" by padding one side. Up to 1½" of panel width can be added by "tracking" over a panel edge and fastening appropriately. Even more width can be added by scabbing on a spare stud, then capping over that with track.

### Adding or Altering Plumbing & Electrical

Measure and mark necessary changes, use a razor knife or key hole saw to modify foam material to allow for pipes or electrical. Be sure to re-foam any resulting voids, gaps, or spaces afterward.



NFPA	WHMIS	PPE	Transport Symbol
		 	Not

Preparation Date: 05-Dec-2005  
Number: 1

Revision Date: 12-Jul-2006

Revision

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Generic Product Name</b>	Woven Rovings and Fabric	
<b>Common Name</b> Unidirectional),	Woven Unidirectional Fiberglass Fabric (A-Style Wrap Stitchbonded Fiberglass Fabric, Woven Roving	
<b>Product Code</b>	15-MSD-21555	
<b>Recommended Use</b>	Not Available	
<b>Contact Manufacturer</b>	Owens Corning One Owens Corning Parkway Toledo, Ohio 43659, USA	
<b>Emergency Telephone Number</b>	Emergencies Only (After 5pm ET and Weekends) CHEMTREC (24 Hours Everyday) CAUTEC (Canada - 24 Hours Everyday)	1-419-248-5330 1-800-424-9300 1-613-996-6666
<b>Health and Technical Contacts</b>	Health Issues Information (8am – 5pm ET) Technical Product Information (8am – 5pm ET) 1-800-GET-PINK or 1-800-438-7456	1-419-248-8234

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

No unusual conditions are expected from this product

**Appearance** White to Off-White      **Physical State** Solid      **Odor** Odorless

### Potential Health Effects

#### Principle Routes of Exposure

- Eye contact
- Skin Contact
- Inhalation

### Acute Effects

#### Eyes

- May cause slight irritation

#### Skin

- Substance may cause slight skin irritation

#### Inhalation Ingestion

- May cause irritation of respiratory tract
- Ingestion of material is unlikely

#### Chronic Effects use or contact with

- There is no known chronic health effect connected with long-term

- Aggravated Medical Conditions** exposure to this
  - these products
  - Chronic respiratory or skin conditions may temporarily worsen from product
- Interactions with Other Chemicals**
  - No information available
- Carcinogenic Status**
  - This product is not considered carcinogenic
- OSHA Regulatory Status** Communication Standard
  - This material is considered hazardous by OSHA Hazard (29 CFR 1910.1200)
- Mexico – Grade**
  - Not available
- Potential Environmental Effects**
  - There is no known ecological information for this product

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

	CAS-No	Weight %
Glass Fiber - continuous filament, non-respirable	5997-17-3	60-100
Polyester Yarn	NA	1-5
Size	NA	1-5

As manufactured, continuous filament glass fibers are non-respirable. Continuous filament glass products that are chopped, crushed or severely mechanically processed during manufacturing or use may contain a very small amount of respirable particulate, some of which may be glass shards. See Section 8 for Exposure Limit Data.

**Non-Hazardous Statement**  
 a small enough components contain this product.

The remaining components of this product are non-hazardous or are in quantity as to not meet regulatory thresholds for disclosure. These no substances or impurities which would influence the classification of

**4. FIRST AID MEASURES**

- Eye Contact** at least 15 minutes
  - Rinse immediately with plenty of water, also under the eyelids, for
  - If eye irritation persists, consult a specialist
  - Do not rub or scratch eyes
- Skin Contact** the skin, which will
  - Wash off immediately with soap and cold water
  - DO NOT use warm water because this will open up the pores of cause further penetration of the fibers
  - Use a wash cloth to help remove the fibers
  - DO NOT rub or scratch affected areas
  - Remove contaminated clothing
  - If skin irritation persists, call a physician
- Inhalation**
  - Move to fresh air
  - If symptoms persist, call a physician
- Ingestion** intestinal blockage does
  - Accidental ingestion of this material is unlikely
  - If this does occur, watch person for several days to make sure not occur
  - If symptoms persist, call a physician
- Notes to physician**
  - Treat symptomatically

**5. FIRE-FIGHTING MEASURES**

**Flammability/Combustibility Properties**

Non-flammable

**Suitable Extinguishing Media**

- Dry chemical
- Foam
- Carbon dioxide (CO2)
- Water fog

**Unsuitable Extinguishing Media**

Unsuitable extinguishing media

**Hazardous Combustion Products**

- Carbon monoxide
- Carbon dioxide (CO2)
- Hydrogen
- Other undetermined compounds

could be released in

small quantities

**Explosion Data**

**Sensitivity to mechanical impact**  
**Sensitivity to static charge**

Not available  
 Not available

**Specific Hazards Arising from the Chemical**

- No information available
- None known

**Protective Equipment and Precautions for Firefighters apparatus (SCBA) and**

Wear self-contained breathing  
 full fire fighting protective gear

**NFPA**

**Health 1**  
**Special Instructions**

**Flammability 0****Reactivity 0****HMIS****Health 1****Flammability 0****Reactivity 0**

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**

- Avoid contact with the skin and the eyes

**Environmental Precautions**  
airborne or waterborne

- Clean up spilled material immediately to prevent from becoming

**Methods for Containment**

- Material will settle out of air
  - Prevent from spreading by covering, diking or other means

**Methods for Clean-up**  
disposal as a non-

- Pick or scoop up material and put into a suitable container for
  - hazardous waste
  - Use an industrial vacuum cleaner with a high efficiency filter to

clean up dust and fiber

- contamination
- Avoid dry sweeping

**Other Information**  
is waterborne

- Material will disperse in water and can not easily be removed after it
  - Material will settle out of air
  - Does not apply

## 7. HANDLING AND STORAGE

**Handling**

- Wear personal protective equipment
- Avoid buildup of dust
- Do not breathe dust

**Storage**  
generation

- Keep product in its packaging until use to minimize potential dust

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

	ACGIH TLV	OSHA PEL	Ontario TWAEV
Fiber - continuous filament, non-able 17-3 65997-	m <sup>3</sup> (Inhalable dust fraction) 1 f/cc (Respirable fiber)	m <sup>3</sup> (Total dust) 5mg/m <sup>3</sup> (Respirable dust)	

### Engineering Controls

below regulatory

cutting or machining or

- Provide local exhaust and/or general ventilation to maintain exposure and recommended limits
- Dust collection system must be used in transferring operations, other dust generating processes
- Vacuum or wet clean-up methods should be used

### Personal Protective Equipment

#### Eye/Face Protection

- Safety glasses with side-shields
- Goggles

#### Skin Protection

- Protective gloves
- Long sleeved shirt and long pants

#### Respiratory Protection

they must use

slight irritation

- When workers are facing concentrations above the exposure limit appropriate, certified respirators
- A dust mask can be worn as a precautionary measure to avoid

#### General Hygiene Considerations

pant tucks

- Wash hands before breaks and immediately after handling product
- Avoid contact with skin, eyes, and clothing
- Avoid getting dust into boots and gloves through wrist bands and
- Remove and wash contaminated clothing before re-use

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

White to off-white

### Odor

Odorless

### Physical State

Solid

### pH

Does not apply

### Flash Point

Not available

### Autoignition Temperature

Not available

### Boiling point/range

Does not apply

### Melting point/range

>800 °C

### Flammability Limits in Air

**Lower** – Not available

**Upper** – Not available

### Explosion Limits

#### Explosive Properties

Does not apply

#### Oxidizing Properties

Does not apply

#### Evaporation Rate

Does not apply

#### Vapor Pressure

Does not apply

#### Vapor Density

Does not apply

#### Specific Gravity

2.60 (Water = 1)

#### Density

2.6

#### Solubility

Insoluble

#### Water Solubility

Insoluble

#### Partition Coefficient (n-octanol/water)

Not available

**Viscosity** Not available  
**VOC Content** <0.4%  
**Oxidizing Properties** Does not apply

**10. STABILITY AND REACTIVITY**

**Chemical Stability** Stable under normal conditions  
**Conditions to Avoid** None expected  
**Incompatible Materials** None  
**Hazardous Decomposition Products**

- No information available
- See section 5 of MSDS for hazardous decomposition products during a fire

**Possibility of Hazardous Reactions** Hazardous polymerization does not occur

**11. TOXICOLOGICAL INFORMATION**

**Acute Toxicity**

**Product Information** Dusts may cause mechanical irritation to eyes and skin. Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation, and sneezing. High exposures may cause difficulty breathing, congestion and chest tightness.

**Component Information**

**Chronic Toxicity**

**Component Information**

**Glass Fiber – Continuous filament** The International Agency for Research on Cancer (IARC) in June, 1987, and in October, 2001, categorized fiber glass continuous filament as not classifiable with respect to human carcinogenicity (Group 3). The evidence from human, as well as, animal studies was evaluated by IARC as insufficient to classify fiber glass continuous filament as a confirmed, probable or even possible cancer causing material.

**Carcinogenicity** There are no known carcinogenic chemicals in this product

	ACGIH	IARC	NTP	OSHA
Glass Fiber - Continuous filament, Non-Respirable 65997-17-3	A4	Group 3		

**ACGIH: American Conference of Governmental Industrial Hygienists** A4 – Not classifiable as a human carcinogen

**IARC: International Agency for Research on Cancer** Group 3 – Not classifiable as to its carcinogenicity to humans

**Irritation** Not available  
**Corrosivity** Not available  
**Allergy** Not available  
**Neurological Effects** Not available  
**Mutagenic Effects** Not available  
**Reproductive Effects** Not available

Developmental Effects Not available  
Target Organ Effects Not available

## 12. ECOLOGICAL INFORMATION

Ecotoxicity Effects This material is not expected to cause harm to animals, plants or fish

Chemical Fate  
Persistence/Degradability Not available

Bioaccumulation/Accumulation Not available

Mobility in Environmental Media Not available

## 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local, state, federal and provincial regulations

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal

US EPA Waste Number No EPA Waste Numbers are applicable for this product's components

Product Information

RCRA This material is not expected to be a characteristic hazardous waste under RCRA

## 14. TRANSPORT INFORMATION

DOT Not regulated  
TDG Not regulated  
MEX Not regulated  
ICAO Not regulated  
IATA Not regulated  
IMDG/IMO Not regulated  
RID Not regulated  
ADR Not regulated  
ADN Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

All of the components in this product are on the following inventory lists or are exempt

CSA	DSL	DSL	NECS	INCS	NCS	hina	ECL	CCS	ICS
XU	esent	-	-046-0	-	-	esent	17630	N-0994	esent

### USA

#### Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

##### SARA 311/312 Hazardous Categorization

Acute Health Hazard	Yes
Chronic Health Hazard	No
Risk of Ignition	No

Sudden Release of Pressure Hazard  
Reactive Hazard

No  
No

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (See 40 CFR 61)**

This product does not contain any HAPs

**State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**State Right-to-Know**

Not listed on any State Right-to-Know lists

CA	MA	MN	NJ	PA	IL	RI
		X				

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

**WHMIS Hazard Class**

Non-Controlled