

# Fasteners

## IB NTB Fastener



### Benefits

**Locking wire barbs:**

- Prevent back out
- Increase pullout resistance in marginal decks

**Thread design and large root diameter:**

- Increase pullout resistance
- Increase side shear strength

**Made from glass-filled nylon which:**

- Eliminates corrosion
- Eliminates thermal bridging and condensation
- Yields high tensile strength

The data below is constant for each nail.	
<b>Head Size:</b>	1" diameter
<b>Head Style:</b>	Double Internal Hex Drive
<b>Major Thread Diameter:</b>	.750
<b>Thread:</b>	3.5 T.P.I. Buttress
<b>Material:</b>	Glass-Filled Nylon

### Product Details

The IB NTB Fastener is a glass-filled nylon auger fastener with a 1" head and locking wire barbs. It is designed to secure insulation and IB membrane to gypsum. All cementitious wood fiber decks (Permadeck, Insulrock, Tectum, etc.) and certain lightweight concrete decks. Wire barbs prevent backout and increase pullout resistance in marginal decks.

The IB NTB Fastener may be used with a \*2" or 3" NTB plate for insulation attachment. For IB Single-Ply Membranes use a 2" or 2 3/8" IB Membrane Plate. The IB NTB Fastener is Factory Mutual and Dade County approved.

### Application

The IB NTB Fastener can be installed into Tectum decks without predrilling. A pilot hole is required for gypsum, lightweight concrete and some cementitious wood fiber. Use a 7/16", 1/2" or 9/16" drill bit. Diameter of drill bit is determined by pullout test results. Hole depth must be 1/2" deeper than embedment. Minimum fastener embedment into the deck should be 1 1/2" (2" recommended). The IB NTB Fastener should never penetrate the underside of the deck. The use of a 3" steel IB Insulation Plate is recommended when securing insulation.

*Note: Prior to job bid, contact IB Technical Services to perform or schedule a pullout test to determine drill bit size and the pullout values. Also, care must be taken not to overdrive the fastener causing subsequent damage to the insulation facer.*

*\* Size varies depending on uplift requirements. Contact your local IB sales representative for direction.*

Length	Packaging	Weight
2 1/2" – 7 1/2"	500	15 – 34 lb
8" – 10"	250	19 – 22 lb

### Approvals:



# Material Safety Data sheet

## SECTION 1: PRODUCT IDENTIFICATION

**Product Name:** Roofing & Construction Products CAS#: Mixture / None Assigned

**Generic Name:** Fasteners, Plates mid Termination Bar Formula: Article

**Chemical Name:** Article Hazard Label Not Required

**Supplier:** IB ROOF SYSTEMS  
2877-B CHAD DRIVE  
EUGENE, OR 97408

**Mfg:** Olympic Manufacturing, Inc.  
**Telephone:** 413-789-0252  
**Emergency:** 800-789-0252

## Trade Names:

Roofing Screws, Concrete Drive Nails, Fluted Concrete Nails, Base Sheet Fasteners, Purlin Screws, Tectum Lite Deck Fasteners, Stainless Roofing Screws, Masonry Anchors, Termination Bars, Sled Plates, Toggle Bolts, Deck Screws, Timberlok, Olylog, Post Frame Screws, Gutter Screws Sheet Metal Screws, Structural Insulated Panel Fasteners, RuffNex Screws.

## SECTION 2: INGREDIENTS

### Ingredient Name CAS # % Exposure Limit(s)

The products listed above are articles as so defined by the OSHA Hazard Communication Standard at 29 CFR19: 0.1200. Each has an end-use that is dependent upon its shape and design, and will not release or otherwise result in exposure to hazardous chemicals under normal conditions of use.

## SECTION 3: HAZARD IDENTIFICATION

### EMERGENCY OVERVIEW

**APPEARANCE AND ODOR:** Various shapes, designs and colors with metal and plastic parts. Under normal conditions of use, this product is not expected to create any unusual emergency hazards. In the event of tire, use normal tire fighting procedures to prevent inhalation of smoke and gases.

### Potential Health Effects

**Summary:** The products listed *above* are articles as so defined by the OSHA Hazard Communication Standard at 29 CFR 1910.1200. Each has an end-use that is dependant upon its shape and design, and will not release or otherwise result in exposure to hazardous chemicals under normal condition of use. Consequently, no health effects from working with these products are expected to occur.

**Acute (short-term) Health Effects:** None known. **Chronic (long-term) Health Effects:** None known. **Target Organs:** None. **Primary Routes of Entry (Exposure):** None

### Symptoms of Overexposure

**Inhalation:** Not applicable.  
applicable

**Skin:** Not applicable. **Absorption:** Not applicable. **Ingestion:** Not applicable.  
**Eye:** Not applicable.

#### **SECTION 4: FIRST AID MEASURES**

**Inhalation:** Not applicable.      **Skin:** Not applicable.      **Absorption:** Not applicable.  
**Ingestion:** Not applicable.      **Eye:** Not applicable.

#### **SECTION 5: FIRE FIGHTING MEASURES**

**Summary:** No special procedures are expected to be necessary for this product. Normal fire fighting procedures should be followed to avoid inhalation of smoke and gases.

**Unusual Fire/Explosion Hazards:** There is no potential for fire or explosion.

##### **Flammable Properties and Explosive Limits**

**Flash Point:** Not applicable      **Lower Explosive Limit (LEL):** Not applicable

**FP Test Method:** Not applicable      **Upper Explosive Limit (UEL):** Not applicable

**Autoignition Temperature:** Not determined      **Flame Classification:** Not determined

**Decomposition Temperature:** Not determined      **Flame Propagation:** Not determined

#### **SECTION 6: ACCIDENTAL SPILL / RELEASE MEASURES**

**Containment Procedures:** Pick up large pieces.

**Disposal:** Wastes are not hazardous as defined by the Resource Conservation and Recovery Act (RCRA; 40 CFR 261). Comply with state and local regulations for disposal of solid wastes. If you are unsure of the regulations, contact your local Public Health Department, or the local offices of the Environmental Protection Agency (EPA).

#### **SECTION 7: HANDLING AND STORAGE**

**Conditions to Avoid:** No special procedures are required for handling or storage of these products.

#### **SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION**

**Summary:** No special protective measures are necessary for use of these products in that they are articles, and under normal conditions of use they are not expected to release, or otherwise result in exposure to a hazardous chemical.

**Eye:** Not required.      **Skin:** Not required

**Respiratory:** Respiratory protection is not required when using this product

**Ventilation:** No special ventilation systems are required when using this product.

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Boiling Point (°F/~C):** Not determined

**Evaporation Rate (Butyl acetate = 1):** Not applicable

**Melting Point:** Not applicable.      **pH:** Not applicable      **Saturation in Air (%):** Not Applicable

**Solids Content:** Not applicable

**Specific Gravity (Water = 1):** Variable

**Vapor Density (Air = 1):** Not applicable

**Vapor Pressure:** Not applicable

**Viscosity:** Not applicable

**VOCs (g/liter):** Not applicable

**Volatile by Volume (%):** 0

**Water Solubility (%):** Nil

**Appearance and Odor:** Various shapes, designs and colors with metal and plastic parts.

#### **SECTION 10: STABILITY AND REACTIVITY**

**Product is stable. Hazardous polymerization will not occur.**

**Reactivity:** This product is not reactive.  
**Hazardous Decomposition Products:** None known.

**SECTION 11: DISPOSAL CONSIDERATIONS**

**Summary:** Wastes are not hazardous as defined by the Resource Conservation and Recovery Act (RCRA; 40 CFR. 261) Comply with state mid local regulations for disposal of solid wastes. If you are unsure of the regulations, contact your local Public Health Department, or the local offices of the Environmental Protection Agency (*EPA*).

**SECTION 12: TRANSPORT INFORMATION**

**Transportation Summary:** This product is not regulated as a hazardous material for transport.

**SECTION 13: REGULATORY INFORMATION**

**U. S. REGULATIONS**

**Federal Regulatory:** The Occupational Safety and Health Administration (OSHA). National Toxicology Program (NTP). International Agency for Research (in Cancer (IARC), and American Conferences of Governmental Industrial Hygienists (ACGIH) have not classified this product as a carcinogen.

**Environmental Regulations:** There are no components in this product regulated by the Environmental Protection Agency (EPA) under the Superfund Amendments and Reauthorization Act (SARA Title III); the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). or the Toxic Substance Control Act (TSCA).

**SECTION 14: OTHER INFORMATION**

For additional information concerning this product, contact Olympic Manufacturing Group, Inc. P.O. Box 508, Agawam, MA 01001 or call toll-free 800-633-3800 within the US or Canada. Otherwise, call 413-189-0252.

As of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state law(s). However, no warranty or representation with respect to such information is intended or given.