

Product Specs

BELCO XT TRIM

Thicknesses: 1", 5/4, 2"

Widths: 2" to 12"

Lengths: 8' to 20'

Textures: Combed Face
(smooth and resaw on request)

BELCO XT POST

Sizes: 4x4, 6x6, 8x8

Lengths: 8' 10' 12'

Texture: Comb 4 sides

- Type V Construction
- Student Housing
- Assisted Living
- Active Senior
- Townhomes
- Garden Style
- Low-Rise Commercial
- Hospitality



The first choice for lasting value

Belco XT Trim and Post products deliver one of the highest values per foot dollar when compared to engineered wood, composites, fiber cement, PVC or other wood trim competitors. When running true cost/benefit analyses, the clear winner is always Belco XT. Here's why...

Feature	Direct Benefit
Wood Preservative – Wolman® AG	Preservative treated products protected a 20-year warranty.
Weight Factors – 4x lighter than cementitious and 3x lighter than engineered wood	More sticks mean more lineal foot coverage and faster installation for the same load.
Value Engineering – Structural properties and optimal sizing	Unlike man-made trim, Belco XT needs no additional subframe and offers lengths and thicknesses that are unavailable in man-made products.
Ease of Use – Crew favorite	Solid wood is the easiest building material to cut, drill, route, glue, bolt – no special blades, PPE, or OSHA Safety concerns.
Natural, Planet-Friendly Wood – LCA (Life Cycle Analysis)	Growing forests remove greenhouse gas from the atmosphere thereby helping cool the planet. North American forests are sustainably managed.
Lowest Cull Rate – Strict internal appearance grade	Belco XT can reduce your waste factor by 5-15% over more loosely graded SPF and brittle cement products.



Treated Wood Trim System Specification

Revised 02/22

SECTION 06 46 00 WOOD TRIM

Part 1 General

1.1 Section Includes:

- A. Wood trim and fascia (Wolman AG treated) including the following types (Belco XT Treated Trim, Belco XT Post):
 - 1. Exterior wood trim and fascia boards.
 - 2. Bellyband trim.
 - 3. Window trim.
 - 4. Door trim.
 - 5. Garage door liner.
 - 6. Column and post wrap.
 - 7. Rake/frieze board.
 - 8. Porch and deck balusters.
 - 9. Window sills.
 - 10. Porch and deck posts.
- B. Wood trim and fascia including the following types (Belco XT Trim and Fascia):
 - 1. Exterior wood trim and fascia boards.
 - 2. Bellyband trim.
 - 3. Window trim.
 - 4. Door trim.
 - 5. Garage door liner.
 - 6. Column and post wrap.
 - 7. Rake/frieze board.
 - 8. Porch and deck balusters.
 - 9. Window sills.

1.2 Related Sections

- A. Section 06 20 13 - Exterior Finish Carpentry.
- B. Section 06 40 13 - Exterior Architectural Woodwork.
- C. Section 06 43 16 - Wood Railings.
- D. Section 07 46 33 - Plastic Siding.
- E. Section 09 90 00 - Painting and Coating.



1.3 References

- A. ASTM International (ASTM)
 - 1. ASTM D 3359 - Standard Test Methods for Measuring Adhesion by Tape Test.
 - 2. ASTM D 4587 - Standard Practice for Light/Water Exposure of Paint.
 - 3. ASTM D 5007 - Standard Test Method for Wet-to-Dry Hiding Change.

1.4 Submittals

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) long representing actual product, color, and surface profile.

1.5 Quality Assurance

- A. Installer Qualifications: Minimum 2 years experience installing similar products
- B. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - 1. Finish areas designated by Architect.
 - 2. Do not proceed with remaining work until workmanship is approved by Architect.
 - 3. Refinish mock-up area as required to produce acceptable work.

1.6 Delivery, Storage, and Handling

- A. Product shall be stored flat, in a clean and dry environment until the time of installation; avoid any contact with the ground, concrete, or standing water.
- B. Handle materials to avoid damage.

1.7 Project Conditions

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.8 Pre-Application Meetings

- A. Convene minimum two weeks prior to starting work of this section.

1.9 Sequencing

- A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1.10 Warranty

- A. Manufacturer's Standard Warranty for Belco XT Trim and Belco XT Post:
Manufacturer warrants to the purchaser, the first Owner of the structure to which Belco XT Trim & Fascia & Belco XT Posts ("Product") are applied and the first subsequent owner of said structure, that the Product, under normal conditions of use and exposure, when stored, installed, painted and maintained in accordance with the Installation and,



Warranty cont.:

1. Will be free against damage resulting from decay fungi which would render such Product structurally unfit for its intended application for a period of twenty years from the date of purchase from the manufacturer ("Warranty Period").
2. Will be free from manufacturing defects causing rotting, excessive swelling, blistering, peeling, cracking or chalking for a period of twenty years from the date of purchase from the manufacturer ("Warranty Period").

Part 2 Products

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Belco Forest Products, which is located at: 1890 E. Johns Prairie Rd.; Shelton, WA 98584; Toll Free Tel: 800-426-7214; Tel: 360-426-8900; Fax: 360-432-3634; Email: request info (sales@belcofp.com); Web: www.belcofp.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 TRIM AND FASCIA

- A. Product: Belco XT Trim and Belco XT Post as manufactured by Belco Forest Products.
 1. Species: Inland Species of SPF (Spruce/Pine/Fir).
 2. Milled Texture:
 - a. Comb Face.
 - b. Comb 4 Sides.
 - c. Resawn Face.
 - d. Smooth.
 - e. BrushTex.
 3. Profile Dimensions: As scheduled on the Drawings from manufacturer's standard width and thickness.
 - a. Standard/dimensional lumber.
 - b. Notch.
 - c. Groove.
 - d. Rabbet.
 - e. Sill stock (S4S)
 - f. As per sample.
 - g. As indicated on Drawings.
 4. Finish: Primer only.
 - a. Color: light gray.
 - b. Color: As per sample.
 - c. Color: As indicated on drawings.
 5. Finish: Factory Finish Top Coating (when applicable)
 - a. Procedure: 1 coat, coated all 6 sides.
 - b. Procedure: 2 coats, coated all 6 sides.
 - c. Color: _____.
 - d. Color: As per sample.
 - e. Color: As indicated on Drawings.



Part 3 Execution

3.1 Examination

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 Preparation

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 Installation

- A. Install in accordance with manufacturer's instructions. Finish materials on all sides and ends. Apply touch up coating on new cuts.

3.4 Protection

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION

Naturally Beautiful. Built to Last.

Today, solid wood remains one of the most attractive and cost effective exterior millwork choices for construction projects. And Belco's preservative treated XT Trim is leading the charge. With a 20-year limited warranty, Belco XT Trim products not only provide a beautiful touch to the exterior of the home but also long-lasting peace of mind.

Thicknesses: 1", 5/4", 2"

Widths: 2" - 12"

Lengths: 8' - 20'

Textures: Comb face, resawn face, smooth face, and BrushTex

Ideal for:

- Exterior trim & fascia
- Corner boards
- Garage door liners
- Bellyband
- Rake/frieze board
- Drip edge



PRESERVATIVE TREATMENT - WOLMAN® AG

- A water-based, nonmetallic, wood preservative surface treatment
- Wolman® AG is an EPA approved treatment

FUNCTIONAL

- Available in widths and lengths to meet all your exterior trim needs
- Lightweight for easier installation
- 20-year warranty against rot

COST EFFECTIVE

- Pre-primed, saves time and money during installation
- Metal free, non-corrosive treatment means no special tools or fasteners
- Less costly than cedar, redwood, fiber cement or composite alternatives
- Highly stable, tight-knot, appearance grade SPF substrate





One and Done Solution

Today, wood remains one of the most attractive and cost effective choices for construction projects. Belco's preservative treated XT Post is leading the charge. With a 20-year limited warranty, Belco XT Post products not only provide you with a beautiful, single step solution for post installation but also longlasting peace of mind.

4x4 Belco XT Post

Net: 3-1/2" x 3-1/2"

Lengths:* 10', 12'

Texture: Combed

6x6 Belco XT Post

Net: 5-1/2" x 5"

Lengths:* 8', 10', 12'

Texture: Combed

8x8 Belco XT Post

Net: 7-1/4" x 7"

Lengths:* 10', 12'

Texture: Combed

** Custom lengths available on request*

Ideal for:

- Porch posts
- Rail posts
- Gazebos
- Knee Braces
- Corbels



PRESERVATIVE TREATMENT - WOLMAN® AG

- A water-based, nonmetallic, wood preservative surface treatment
- Wolman® AG is an EPA approved treatment

FUNCTIONAL

- Structural engineered columns provide greater stability, less warp, and reduced potential for checking than solid timber or hollow posts
- 6x6 and 8x8 products come standard with a conduit chase for lighting installation

COST EFFECTIVE

- Pre-primed, trimmed out post saves time and money during installation – no more column wrapping
- Metal free, non-corrosive treatment means no special tools or fasteners
- Less costly than fiberglass or aluminum alternatives





EXTERIOR POST PRODUCTS

Allowable Axial Load Capacities

Column Length (ft)	4X4			6X6			8X8		
	C _D =1.0	C _D =1.15	C _D =1.25	C _D =1.0	C _D =1.15	C _D =1.25	C _D =1.0	C _D =1.15	C _D =1.25
8	2452	2820	3065	9774	11240	12217	19239	22125	24049
10	1695	1950	2119	8405	9666	10507	18333	21083	22916
12	1212	1393	1515	6678	7679	8347	16790	19309	20988

¹ All allowable load capacities are determined for compression only in accordance with the Design Values as published in the APA Product Report PR-L321. Allowable load capacities assume dry use, untreated applications in sustained exposure of temperatures < 100°F (38°C).

² For wet service conditions the allowable axial capacity should be multiplied by CM = 0.73.

³ For service conditions above 100°F (38°C), the allowable axial capacity should be multiplied by the appropriate Ct factor in Table 2.3.3 of the National Design Specification for Wood Construction.

⁴ Table assumes that effective column length is equal to actual column length and end conditions are rotation free, translation fixed.

INSTALLING

Uplift Application

When Belco XT Post has been designed for use in an uplift application, post bases and caps are REQUIRED. Belco recommends Simpson Strong Tie products but products of equal properties are accepted. Refer to base and cap manufacturer's instructions for capacities and connector attachment.

Vertical Load Only Application

When Belco XT Post has been designed for use in a vertical load only application, a nailed connection can be implemented.

Raised Base Connection



Column Base Connection



Column Cap Connection



The Advantage of Treated SPF Trim

Many multi-family and low-rise commercial projects require on-the-fly product changes because of unforeseen circumstances such as availability driven by manufacturing, or unforeseen cost over-runs causing budget constraints.

Why choose treated trim?

Project deadlines are extremely important to a developer’s and building owner’s bottom line. In most cases the developer is hit with steep fines when missing project deadlines. Furthermore, every day the owner misses their opening date, is a day of lost revenue. An analysis of the functional requirements of fascia and trim revealed a decided edge for the solid wood treated trim over more expensive products such as fiber cement in this case (see table). Cost of materials and labor is also higher with respect to fiber cement due to the need for a structural substrate. Another disadvantage to fiber cement is the need for special tools, and breathing devices to prevent inhalation of silica dusts.

Value engineering with treated wood trim can solve many specific requirements for design, durability and budget in both residential and low-rise commercial applications.



Common multifamily applications include barge, exterior jambs, fascia, battens, posts, beams and frieze/rake.

BELCO XT TRIM	Warranty Year	Fiber Cement
Wood	Aesthetics	Monolithic
High	Workability	Low/Brittle
\$	Price Point	\$\$\$
Standard Tools	Installation	Special Tooling/ Air Handling
20+ Years	Service Life	20+ Years
Non-Prorated 20 years	Warranty Period	15 years

Belco XT Treated Trim Rescues Mid-Rise Apartment

Project: District at Memorial

Project Type: Restoration

Location: Houston, Texas

General Contractor: Cotton Team Construction

Description: This complex underwent exterior renovation after previous trim system failed after only 4 years.

Applications: Windows, corners, fascia, balcony wrap

Builder Comments: "...our firm contracted to restore the District at Memorial apartment complex in Houston. The problem was rotted wood trim, which led to major water intrusion and mold. For the restoration, I specified Belco XT treated trim, because I knew that we could get a 20-year warranty. The product has performed very well for us in the past. The engineering firm fought us to use a low-grade white wood to reduce costs. The minor cost differential was more than offset by the value add for Belco XT."

- Bill Jatzlau,
Project Coordinator
- Reece Johnson,
Project Manager





Preservative Treated Belco XT Trim

Safety Data Sheet (SDS)

Section 1: Identification

Product Name: Belco XT Trim
Description: Solid or engineered (finger-jointed), milled wood, pre-treated and coated with a primer
Product Use: Exterior trim, fascia and structural post products

Company Information

Name: Belco Forest Products
Address: 1890 E Johns Prairie Rd.
Shelton, WA 98584
Phone: 360-426-8900
Toll-Free: 800-426-7214
Fax: 360-426-3915

Section 2: Hazards Identification

Emergency Overview

This product is protected with a wood preservative that is registered with the EPA. The amounts of the preservatives on the dry wood are far below the OSHA de minimis reporting requirements. The presence of the preservatives in the treated wood and wood dust is not expected to affect the wood's inherent toxicity characteristics.

CAUTION! Sawing, sanding, or machining wood products may produce wood dust, which may present a fire or explosion hazard. Wood dust may cause irritation to the eyes, skin, and respiratory tract.

Hazard Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Chronic

HFPA Ratings: Health: 2 | Fire: 1 | Reactivity: 0

HMIS Ratings: Health: 2 | Fire: 1 | Reactivity: 0

Potential Health Effects

Inhalation: Dust from drilling, sawing, sanding, or machining, etc. may cause nasal dryness, irritation, coughing, and sinusitis. Repeated exposures can produce allergic responses in some sensitive individuals.

Eyes: Dust can cause mechanical irritation.



Skin:	Dust may cause mechanical (abrasive) irritation. Various species of wood dust may evoke allergic contact dermatitis in sensitive individuals. If an allergy preexists or develops, it may be necessary to remove the sensitive worker from further exposure to wood dust or wood-based products.
Ingestion:	Not applicable under normal conditions of use.
Medical Conditions Aggravated:	Dust exposure may aggravate pre-existing skin, eye, respiratory, and cardiovascular disorders.

Section 3: Composition/Information on Ingredients

Component	CAS #	Percent (%)
Wood, Wood Dust (Various Species)	N/A	>98
Preservative Treatment	Proprietary	<1
Acrylic Primer	Proprietary	<1

Section 4: First-Aid Measures

Inhalation:	Move person to fresh air. If breathing is difficult, trained personnel should administer oxygen. Seek medical attention if irritation persists.
Eyes:	Hold eye open and rinse slowly and gently with water. If present, remove contact lenses after a few minutes and continue rinsing eye. Seek medical attention if irritation persists.
Skin:	Immediately remove contaminated clothing; launder before reuse or dispose of properly. Wash the affected areas with soap and water until dust is entirely removed from skin. Seek medical attention if rash, dermatitis, or irritation persists.
Ingestion:	Not applicable under normal conditions of use.

Section 5: Fire-Fighting Measures

Flash Point:	Not applicable
Autoignition Temperature:	400° - 500° F (204° - 260° C)
Explosive Limits:	Wood trim does not present a fire or explosion hazard. Drilling, sawing, sanding, or machining, etc. wood products can produce wood dust as a by-product. Wood dust is a strong to severe explosion hazard if a dust “cloud” contacts an ignition source. 212° F (100° C) has been suggested as the upper temperature limit for continuous exposure for wood without risk of ignition (wood dust may require a lower temperature). An airborne concentration of 40 grams of dust per cubic meter of air is often used as the lowest explosion limit (LEL) for wood dust. Dust generated from sanding primer may present a similar fire and explosion hazard.



Hazardous Combustion Products:	Thermal-oxidative degradation, or burning, of wood can product irritating and potentially toxic fumes and gases, including carbon monoxide, carbon dioxide, nitrogen oxides, aldehydes, and organic acids.
Fire Extinguishing Media:	Water spray, carbon dioxide, sand, or foam
Special Fire Fighting Procedures:	Fire-fighting procedures for wood are well known; seek professional fire-fighting help as necessary. Use water to wet down dust to reduce the likelihood of ignition or dispersion of dust into the air. Remove burned, charred, or wet dust to open, secure area after the fire is extinguished.

Section 6: Accidental Release Measures

Accidental Release:	Not applicable for product in purchased form
Clean-Up Procedures:	Dust may be vacuumed or shoveled for recovery or disposal; wet down accumulated dusts prior to vacuuming or shoveling in order to prevent explosion hazards. Avoid dusty conditions and provide good ventilation. Dust clean-up and disposal activities should be accomplished in a manner to minimize creation of airborne dust. Do not inhale dusts during clean-up.

Section 7: Handling and Storage

Precautions for handling the dry, treated wood are the same as the safe handling procedures used for untreated wood. However, treated wood products may not be used for animal bedding, mulch, food preparation surfaces, cooking or comfort fires, bathing enclosures or similar uses.

Storage Procedures:	Products should be stored off the ground, away from exposure to water or a source of ignition. Avoid storing products in areas of relatively high humidity in temperature; it is recommended that these products be stored in an area that reflects the humidity and temperature of the end use of the products.
Handling:	Provide adequate ventilation to reduce the possible build-up of water vapors. Avoid strong oxidizing agents, strong acids, drying oils, fire and sources of ignition.

Section 8: Exposure Controls/Personal Protection

Component	Exposure Limits (mg/m3)	
	OSHA-PEL	ACGIH-TLV
Wood, Wood Dust (Various Species)	15.0 Total, 5.0 Inhalable	1.0
Preservative Treatment	N/A	2.0 Inhalable
Acrylic Primer	N/A	N/A



Engineering Controls: Due to the explosive potential of dust when suspended in air, precautions should be taken during drilling, sawing, sanding, or machining, etc. of products to prevent sparks or other ignition sources in ventilation equipment. Use of totally enclosed motors is recommended. Provide local exhaust as necessary to meet OSHA requirements for wood dust exposure.

Person Protective Equipment (PPE)

Respiratory Protection: Use NIOSH/OSHA approved respirator when ventilation is not possible and if permissible exposure limits to hazardous components may be exceeded.

Eye/Face Protection: Recommend goggles or safety glasses as conditions indicate when drilling, sawing, sanding, or machining, etc. wood products.

Skin Protection: Protective equipment such as gloves and outer garments may be needed to reduce skin contact. After working with the wood, and before eating, drinking, toileting, or use of tobacco products, wash exposed areas thoroughly.

Other Protective Clothing or Equipment: No special requirements under normal conditions of use. Protective clothing should be worn where prolonged skin contact may occur. Protective clothing should be laundered separately from household clothing and before reuse.

Section 9: Physical and Chemical Properties

Appearance and Odor: Light brown board, normally between 5/8" and 1-7/16" thick, 2-7/16" wide and 11-1/4" wide, and 8' to 20' in length with a gray primer coat. Boards may have patterns embossed or cut into the surface at the time of manufacture. Odors may vary and are dependent upon the wood species.

Physical State: Solid

Vapor Pressure: N/A

Boiling Point: N/A

Solubility (H₂O): Insoluble

pH: N/A

Vapor Density: N/A

Melting Point: N/A

Specific Gravity: Variable; dependent on wood species and moisture content.



Section 10: Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: Dust generated from drilling, sawing, sanding, or machining, etc. the product is extremely combustible. Keep in a cool, dry place, away from ignition sources.

Incompatibility: Oxidizing agents, strong acids, drying oils

Hazardous Decomposition Products: Thermal-oxidative degradation, or burning, of wood can produce irritating and potentially toxic fumes and gases, including carbon monoxide, carbon dioxide, nitrogen oxides, aldehydes, and organic acids.

Hazardous Polymerization: Should not occur

Section 11: Toxicological Information

Product does not normally present hazards beyond those that would normally be experienced by solid wood material.

Wood/Wood Dust: Wood dust generated from drilling, sawing, sanding, or machining, etc. this product may cause nasal dryness, irritation, coughing, and sinusitis. The International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP) classify wood dust as a known human carcinogen (Group I). This classification is based primarily on increased risk in the occurrence of adenocarcinomas of the nasal cavities and paranasal sinuses associated with exposure to wood dust. The evaluation did not find sufficient evidence to associate cancers of the oropharynx, hypopharynx, lung, lymphatic and hematopoietic systems, stomach, colon, or rectum with exposure to wood dust.

Preservative Treatment: The minimal presence of the preservatives in the treated wood and wood dust is not expected to affect the wood's inherent toxicity characteristics.

Primer: No toxicological data available.

Section 12: Ecological Information

General Product Information: This product is not expected to have ecological effects on the environment.

Persistence & Degradability: N/A

Bioaccumulation: N/A

Other Adverse Effects: N/A



Section 13: Disposal Considerations

In its purchased form, dispose of wood and wood products by ordinary trash collection or recycle when possible. Sawdust and construction debris should be cleaned up and disposed of after construction. Incinerate or landfill in accordance with local, state, and federal regulations.

Section 14: Transport Information

US DOT Information: This product is not listed as a hazardous material.

Canadian-Transportation of Dangerous Goods (TDG): This product is not listed as a hazardous material.

Section 15: Regulatory Information

U.S. Federal Regulations

CERCLA 103 Reportable Quantity: This product does not contain chemicals in concentrations that should require reporting.

SARA Title III for Section 311/312: Hazard categories for dust: acute health, chronic health, and fire hazard.

SARA Title III for Section 313: This product does not contain chemicals in concentrations that should require reporting

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: This product is a manufactured article and not subject to chemical notification requirements.

OSHA: While the product in its purchased form does not meet the criteria of 29 CFR 1910.1200 (Hazcom), wood dust/fiber emissions from this product when the product is drilled, sawed, sanded, or machined, etc. may be hazardous by definition and trigger Hazcom requirements. It is the responsibility of the purchaser and subsequent users to determine applicability.



U.S. State Regulations

California Proposition 65:	Drilling, sawing, sanding, or machining, etc. wood products generates wood dust, a substance known to the State of California to cause cancer. This product contains the following chemicals known to the state of California to cause cancer: None. This product contains the following chemicals known to the state of California to cause reproductive damage: None.
Pennsylvania:	Wood dust is a substance that appears on the State's Appendix A – Hazardous Substance List. During drilling, sawing, sanding, or machining, etc. wood dust may be released.

Section 16: Other Information

SDS Revision Summary

Effective Date: 5/12/2015

Supersedes Date: New

Belco Forest Products believes the information contained in this SDS to be accurate at the time of preparation and has been compiled using sources believed to be accurate or otherwise technically correct and reliable. However, Belco makes no warranty, either expressed or implied, concerning the accuracy or completeness of the information presented. It is the responsibility of the user to comply with Local, State, Provincial, or Federal regulations concerning use of this product. It is the further responsibility of the buyer/end user to research and understand safe methods of use, storage, handling, recycling, and disposal of this product.

Section 1: Identification

Product identifier

Product Name: Wolman® AG Concentrate

Other means of identification

Product Code: 23092

UN/ID no: UN3082

Registration Number(s): 75506-7

Recommended use of the chemical and restrictions on use

Recommended Use: Wood Preservative

Details of the supplier of the safety data sheet

Supplier Address: Arch Treatment Technologies, Inc.
360 Interstate North Parkway, Suite 450
Atlanta, GA 30339

Emergency telephone number

Company Phone Number: 1-800-511-MSDS (Outside USA: 1-423-780-2347)

24 Hour Emergency Phone Number: 800-426-7214 1-800-654-6911 (Outside USA: 1-423-780-2970)

Emergency Telephone: For all transportation accidents call Chemtrec 1-800-424-9300 (Outside USA: 1-703-527-3887)

Section 2: Hazards Identification

Classification

OSHA Regulatory Status: This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Reproductive toxicity	Category 2

Label elements

Emergency Overview

Warning

Hazard statements

Harmful if inhaled

Suspected of damaging fertility or the unborn child



Physical state liquid

Odor Slight

Precautionary Statements - Prevention	Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area Contaminated work clothing should not be allowed out of the workplace Wear protective gloves
Precautionary Statements - Response	IF exposed or concerned: Get medical advice/attention IF ON SKIN: Wash with plenty of soap and water Call a POISON CENTER or doctor/physician if you feel unwell Wash contaminated clothing before reuse If skin irritation or rash occurs: Get medical advice/attention IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Precautionary Statements - Storage:	Store locked up
Precautionary Statements - Disposal	Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

Toxic to aquatic life May be harmful in contact with skin

Unknown acute toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

Section 3. Composition/Information on Ingredients

Substance

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical Name	CAS #	Weight (%)	Trade Secret
Propiconazole	60207-90-1	5	
Tebuconazole	107534-96-3	5	
Imidacloprid	138261-41-3	0.5	

Section 4. First Aid Measures

Description of first aid measures

General advice:	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Eye contact:	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not rub affected area.
Skin contact:	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Inhalation:	Remove to fresh air. Call a physician immediately. If not breathing, give artificial respiration.
Ingestion:	If swallowed, call a poison control center or physician immediately. If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Most important symptoms and effects, both acute and delayed

Symptoms:	See Section 11: TOXICOLOGICAL INFORMATION.
-----------	--

Indication of any immediate medical attention and special treatment needed

Note to physicians:	Treat symptomatically.
---------------------	------------------------

Section 5. Fire-Fighting Measures

Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide (CO₂). Water spray or fog.

Unsuitable extinguishing media:

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

No information available.

Hazardous combustion products:	Carbon monoxide. Carbon dioxide (CO ₂). Toxic gas. Nitrogen oxides (NO _x).
--------------------------------	--

Explosion data:	Sensitivity to Mechanical Impact—None. Sensitivity to Static Discharge—None.
-----------------	---

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions: Ensure adequate ventilation, especially in confined areas.

For emergency responders: Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions: See Section 12: ECOLOGICAL INFORMATION.

Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Dam up. Prevent product from entering drains. After cleaning, flush away traces with water. Take up mechanically, placing in appropriate containers for disposal.

Section 7: Handling and Storage

Precautions for safe handling

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Storage conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials: None known based on information supplied.

Section 8: Exposure Controls/Personal Protection

Control parameters

Appropriate engineering controls

Engineering controls: Showers; Eyewash stations; Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection: Goggles.

Skin and body protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Take off all contaminated clothing and wash it before reuse. Avoid contact with skin, eyes or clothing. Wash face, hands and any exposed skin thoroughly after handling.

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	No information available
Color:	Amber
Odor:	Slight
Odor threshold:	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	4.9	
Melting point / freezing point	No information available	
Boiling point / boiling range	> 100 °C / 212 °F	
Flash point	> 100 °C / 212 °F	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	1.05	
Water solubility	Soluble in water	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	71.60 F 120 CPS	
Explosive properties	No information available	
Oxidizing properties	No information available	

Other information

Softening point:	No information available
Molecular weight:	No information available
VOC Content (%):	32.94% per EPA Method 24
Density:	8.78
Bulk density:	No information available

Section 10. Stability and Reactivity

Reactivity:	No data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	None under normal processing.
Conditions to avoid:	Extremes of temperature and direct sunlight.
Incompatible materials:	None known based on information supplied.
Hazardous decomposition products:	None known based on information supplied.

Section 11. Toxicological Information

Information on likely routes of exposure

Product Information

Inhalation:	Harmful by inhalation. Avoid breathing vapors or mists.
Eye contact:	Avoid contact with eyes.
Skin contact:	Avoid contact with skin and clothing.
Ingestion	Contains a known or suspected reproductive toxin.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Propiconazole 60207-90-1	= 1517 mg/kg (RT)	> 4000 mg/kg (RT)	>5.8 mg/L (RT) 4h
Tebuconazole 107534-96-3	>1700 mg/kg (RT)	> 2000 mg/kg (RT)	> 5.0 mg/L (RT) 4h
Imidacloprid 138261-41-3	424 mg/kg (RT)	>5000 mg/kg (RT)	>4 mg/L (RT) 4h

Note: RT = Rat RBT = Rabbit MSE = Mouse GP = Guinea Pig

Information on toxicological effects

Symptoms	No information available
----------	--------------------------

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	
ATEmix (dermal)	
ATEmix (inhalation-gas)	
ATEmix (inhalation-dust/mist)	
ATEmix (inhalation-vapor)	65.00

Numerical measures of toxicity

Oral LD50	Estimated 4000 mg/kg (rat)
Dermal LD50	Estimated > 2000 mg/kg (rabbit)
Inhalation LC50	Estimated 3.52 mg/l rat

Section 12. Ecological Information

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Propiconazole 60207-90-1	0.76 mg/L EC50 (Desmodesmus subspicatus)	4.3 mg/L LC50 96h (Oncorhynchusmykiss)	10.2 mg/L EC50 48h (Daphniamagna)
Tebuconazole 107534-96-3	3.8 mg/L EC50 72h (Pseudokirchneriella subcapitata)	4.4 mg/L LC50 48h (Oncorhynchusmykiss)	2.79 mg/L EC50 48h (Daphniamagna)
Imidacloprid 138261-41-3	>10 mg/L EC50 72h (Desmodesmus subspicatus)	211 mg/L LC50 96h (Oncorhynchusmykiss)	0.05525 mg/L EC50 48h (Chironomus riparius)

Persistence and degradability:	No information available.
Bioaccumulation:	No information available.
Other adverse effects:	No information available

Section 13. Disposal Considerations

Waste treatment methods

Disposal of wastes:	This material, as supplied, is not a hazardous waste according to Federal regulations (40CFR 261).
Contaminated packaging:	Do not reuse container. Empty containers must be tripled rinsed prior to disposal.

Chemical Name	California Hazardous Waste Status
Imidacloprid 138261-41-3	Toxic

Section 14. Transport Information

DOT

UN/ID no:	UN3082
Proper shipping name:	Other regulated substances, liquid, n.o.s.
Hazard Class:	9
Packing Group:	III
Special Provisions:	8, 146, 173, 335, IB3, T4, TP1, TP29
Description:	UN3082, Other regulated substances, liquid, n.o.s. (Dipropylene glycol methyl ether), 9, III
Emergency Response Guide Number:	171

TDG

UN/ID no: UN3082
Proper shipping name: Other regulated substances, liquid, n.o.s.
Hazard Class: 9
Packing Group: III
Description: UN3082, Other regulated substances, liquid, n.o.s. (Propiconazole), 9, III

MEX

UN/ID no: UN3082
Proper shipping name: Other regulated substances, liquid, n.o.s.
Hazard Class: 9
Packing Group: III
Description: UN3082, Other regulated substances, liquid, n.o.s. (Propiconazole), 9, III

ICAO (air)

UN/ID no: UN3082
Proper shipping name: Other regulated substances, liquid, n.o.s.
Hazard Class: 9
Packing Group: III
Special Provisions: A97, A158
Description: UN3082, Other regulated substances, liquid, n.o.s. (Propiconazole), 9, III

IATA

UN/ID no: UN3082
Hazard Class: 9
Packing Group: III
ERG Code: 9L
Special Provisions: A97, A158, A197

IMDG

UN/ID no: UN3082
Hazard Class: 9
Packing Group: III
EmS-No: F-A, S-F
Special Provisions: 274, 335

RID

UN/ID no: UN3082
Proper shipping name: Other regulated substances, liquid, n.o.s.
Hazard Class: 9
Packing Group: III
Classification code: M6
Description: UN3082, Other regulated substances, liquid, n.o.s. (Propiconazole), 9, III

ADR

UN/ID no:	UN3082
Proper shipping name:	Other regulated substances, liquid, n.o.s.
Hazard Class:	9
Packing Group:	III
Classification code	M6
Tunnel restriction code	(E)
Special Provisions	274, 335, 601, 375
Description:	UN3082, Other regulated substances, liquid, n.o.s. (Propiconazole),, 9, III, (E)
Labels:	9

ADN

Proper shipping name:	Other regulated substances, liquid, n.o.s.
Hazard Class:	9
Packing Group:	III
Classification code	M6
Special Provisions	274, 335, 601
Description	UN3082, Other regulated substances, liquid, n.o.s. (Propiconazole),, 9, III
Hazard label(s)	9
Limited quantity (LQ)	5 L

Section 15. Regulatory Information

International Inventories

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US 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 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Propiconazole 60207-90-1	—	X	—

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number 75506-7

Difference between SDS and EPA Pesticide label

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION

Harmful if swallowed

Harmful if inhaled

Harmful if absorbed through skin.

Section 16. Other Information, Including Date of Preparation of the Last Revision

NFPA:	Health hazards 1	Flammability 1	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 1	Flammability 1	Physical hazards 0	Personal protection X
Issue Date	26-May-2015			
Revision Date	09-Sep-2016			
Revision Note				
No information available				

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet



PRESERVATIVE TREATED BELCO XT PRODUCTS

Installation Instructions



Installing Belco XT Trim

Congratulations on selecting Belco XT Trim, the ultimate in natural wood, treated trim products for your project! This manual covers installation instructions for both Belco XT TRIM and Belco XT POST. Failure to install Belco XT products in accordance with our written instructions may lead to injury, violation of building codes and voiding the product warranty. For more information visit us at belcofp.com.

Best Practices – **BELCO XT POST** and **BELCO XT TRIM**

MOISTURE



- Keep Belco XT Products stored flat in a clean dry environment. Do not install wet product.
- Keep installed Belco XT Products away from continuous moisture sources and use proper flashing and moisture control techniques to minimize water intrusion.
- Avoid direct contact with stucco, brick or cultured stone.

SEAL



- SEAL ALL FIELD CUTS, with a premium 100% acrylic latex primer.
- Topcoat all exposed surfaces (including field cuts) within sixty (60) days of installation with two (2) coats of 100% acrylic latex exterior grade paint intended for wood per manufacturers' application instructions.
- BELCO XT POST - Holes that expose the conduit opening in BELCO XT POST must be flashed, and/or caulked to prevent moisture intrusion. Follow manufacturers' application instructions for best results.
- BELCO XT TRIM - A premium, flexible, paintable caulk is required at all joints and where BELCO XT TRIM abuts siding, windows and doors.

FASTEN



- Use ONLY corrosion resistant fasteners such as stainless steel or hot-dipped galvanized nails. Leave nails snug or flush with the surface. Do not use staples.
- BELCO XT TRIM - Place fasteners no less than 1/2" from ends and edges of BELCO XT TRIM. Double nail the ends to structural framing members. For 6" wide boards, double nail along the length. For 4" and narrower boards, single nail along

CLEARANCES



- Maintain 8" above finished grade. Maintain 1" clearance above concrete, flashing or any surface that may collect water.
- BELCO XT TRIM - Maintain a 3/16" expansion gap between butt joints and aforementioned abutments to allow for proper caulking per manufacturers' application instructions.

BELCO XT POST

STORAGE

BELCO XT POST must be stored flat, in a clean and dry environment (preferably on stringers in a warehouse or covered area) until the time of installation. Avoid any contact with the ground, concrete, or standing water.

Keep BELCO XT POST clean and dry. Inspect products prior to installation as installation of wet product may result in shrinkage. Belco Forest Products (“Belco”) IS NOT responsible for damage caused by improper storage, maintenance, or installation of BELCO XT POST.

WATER RUNOFF & MOISTURE CONTROL

Where BELCO XT POST is in close contact with concrete or soil, a post base MUST be used to raise the post a minimum of one (1) inch above concrete or eight (8) inches above the soil. BELCO XT POST must have a clearance of at least one (1) inch above any surface that may collect water; said surface must be sloped or otherwise designed for proper drainage so BELCO XT POST is not directly exposed to standing water.

The structure to which BELCO XT POST is applied should be well vented and dry. As with other wood products, BELCO XT POST must be kept free from excessive moisture. Exposure to constant sources of water (sprinklers, condensation), inadequate sealing or flashing, or failure to follow common building practices that prevent moisture intrusion, may cause damage to the product and affected products may not be covered by the warranty.

CUTTING & MACHINING

BELCO XT POST can be notched for use as a deck post. Cut notch using a circular saw and finish corners with a handsaw or jigsaw. Vertical cut length will vary depending on the depth of your deck framing. Typically, cut the notch so the bottom of the post stops 1/2” above the bottom of the deck joist. If your deck is sloped, match the slope in the horizontal cut that will sit on top of your decking. Fasten per building codes.

ALL field cuts and machined products MUST be sealed with a premium, 100% acrylic primer and topcoated per finishing instructions. See *Finishing*.

BETTER: Treat with a suitable wood preservative end cut solution and topcoat per instructions found later in this document.

BEST: Treat with a suitable wood preservative end cut solution, and prime with a quality, 100% acrylic latex primer and topcoat per instructions. See *Finishing*.

FASTENING

DO NOT use staples. Use only corrosion resistant fasteners, such as stainless steel or hot-dipped galvanized nails, and install per hardware manufacturers’ recommendations.

It is recommended that all connector holes are pre-drilled. Pilot holes are required for lag screws, whose maximum permitted diameter is 1/2”. Through-bolting is permissible when used as a deck post. See Simpson Technical Bulletin on Code-Compliant Guardrail Post Connections (T-C-GRDRLPST17)

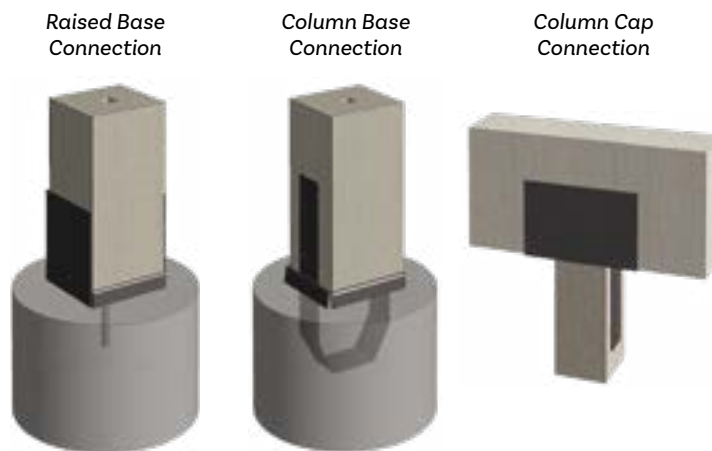
INSTALLING

Uplift Application

When BELCO XT POST has been designed for use in an uplift application, post bases and caps are REQUIRED. Belco recommends Simpson Strong Tie products but products of equal properties are accepted. Refer to base and cap manufacturer’s instructions for capacities and connector attachment.

Vertical Load Only Application

When BELCO XT POST has been designed for use in a vertical load only application, a nailed connection can be implemented.



Accessory Holes

When BELCO XT POST is modified with the installation of lights or other accessories, holes sizes shall be limited to the following:

- 4x4: 5/8" diameter
- 6x6: 3/4" diameter
- 8x8: 3/4" diameter

Holes shall be centered on the post and spaced vertically, at least eight (8) inches apart for multiple holes. Holes other than those required for installation of approved post bases and caps are NOT permitted within eight (8) inches of the top or bottom of the post.

If holes expose the conduit opening in the center of BELCO XT POST, they must be flashed and/or caulked to prevent moisture from entering the space. For caulking, use an exterior quality, flexible, paintable caulk. Follow the caulk manufacturer's instructions for application. DO NOT use hard-setting caulk.

FINISHING

All exposed surfaces, including field cuts of BELCO XT POST MUST be topcoated with two (2) coats of quality, un-thinned, 100% acrylic latex, exterior grade paint intended for wood siding within sixty (60) days of installation.

Paint must be applied and maintained (including repainting) in strict accordance with the paint manufacturer's specifications.

Before painting, remove any dust, dirt, mildew or other debris by gently washing the BELCO XT POST surface with a brush, water and mild detergent. DO NOT use a pressure washer. Allow ample dry time for all BELCO XT POST products before painting.

Belco recommends satin/semi-gloss latex, full-gloss acrylic latex or solid-body stains. Oil or vinyl-based paints and stains should not be used.

Belco does not warrant the performance of field applied finishes. Finish performance is dependent upon the quality and quantity of paint used, the methods under which it was applied, all of which are controlled by the paint manufacturer and applicator.

Allowable Axial Load Capacities

Column Length (ft)	4X4			6X6			8X8		
	C _D =1.0	C _D =1.15	C _D =1.25	C _D =1.0	C _D =1.15	C _D =1.25	C _D =1.0	C _D =1.15	C _D =1.25
8	2452	2820	3065	9774	11240	12217	19239	22125	24049
10	1695	1950	2119	8405	9666	10507	18333	21083	22916
12	1212	1393	1515	6678	7679	8347	16790	19309	20988
14	-	-	-	5195	5975	6494	14580	16768	18226
16	-	-	-	4091	4704	5113	12192	14020	15240
18	-	-	-	3283	3776	4104	10089	11603	12611
20	-	-	-	2686	3089	3357	8390	9649	10488

¹ All allowable load capacities are determined for compression only in accordance with the Design Values as published in the APA Product Report PR-L321. Allowable load capacities assume dry use, untreated applications in sustained exposure of temperatures < 100°F (38°C).

² For wet service conditions the allowable axial capacity should be multiplied by CM = 0.73.

³ For service conditions above 100°F (38°C), the allowable axial capacity should be multiplied by the appropriate Ct factor in Table 2.3.3 of the National Design Specification for Wood Construction.

⁴ Table assumes that effective column length is equal to actual column length and end conditions are rotation free, translation fixed.

BELCO XT TRIM

BELCO XT TRIM is a decorative, non-load bearing trim product. Do not use BELCO XT TRIM in load-bearing conditions. Acceptable structural applications include garage jambs, fascia applied direct to rafters or outlookers and as bellyband or barge board.

Failure to install BELCO XT TRIM in accordance with these written instructions may lead to injury, violation of building codes, and voiding of the product warranty.

STORAGE

To help minimize movement, allow BELCO XT TRIM to acclimate to local conditions prior to installation. BELCO XT TRIM must be stored flat, in a clean and dry environment (preferably on stringers in a warehouse or covered area) until the time of installation. Avoid any contact with the ground, concrete, or standing water. Avoid storage in the extreme sun or hot weather for prolonged periods of time.

Keep BELCO XT TRIM clean and dry. Inspect products prior to installation as installation of wet product may result in shrinkage. Belco Forest Products (“Belco”) IS NOT responsible for damage caused by improper storage, maintenance, or installation of BELCO XT TRIM.

WATER RUNOFF & MOISTURE CONTROL

A minimum of eight (8) inches MUST be kept between BELCO XT TRIM and finished grade. If applied adjacent to roofs, porches, patios, sidewalks, etc., BELCO XT TRIM must have a clearance of at least one (1) inch above any surface that may collect water; said surface must be sloped or otherwise designed for proper drainage so BELCO XT TRIM is not directly exposed to standing water.

The structure to which BELCO XT TRIM is applied should be well vented and dry. DO NOT install BELCO XT TRIM over soaked or buckled sheathing, or any other structure that has excessive moisture conditions.

As with other wood products, BELCO XT TRIM must be kept free from excessive moisture. Exposure to constant sources of water (i.e. – sprinklers, condensation), inadequate sealing or flashing, or failure to follow common building practices that prevent moisture intrusion, may cause damage to the product and affected products will not be covered by the warranty.

CUTTING & MACHINING

For the cleanest cut, a hand saw or power saw with a fine-tooth carbide tipped blade is recommended. The cutting action should be into the face of the material, positioned so dust will be blown away from the user and others in the working area.

For door and window openings, 45° diagonal cuts of trim ends are acceptable. If making scarf joints, cut on a 22.5° angle.

Some 1” BELCO XT TRIM products may have a wax coating on the ends of the board. Belco recommends cutting the ends and re-priming with 100% acrylic primer to ensure the topcoat adheres to the ends effectively.

BELCO XT TRIM can be mitered, ripped and/or routed for decorative applications. Machining depth should not exceed 5/16” for 1” products and 1/2” for 5/4” and 2” products. Machined products should not have any flat surfaces where water can accumulate. An angle of at least 100° from the vertical must be maintained to provide adequate drainage.

For end cuts and machined products, prime with a quality, 100% acrylic latex primer and topcoat per instructions. See *Finishing*.

BETTER: Treat with a suitable wood preservative end cut solution and topcoat per instructions. See *Finishing*.

BEST: Treat with a suitable wood preservative end cut solution, prime with a quality, 100% acrylic latex primer and topcoat per instructions. See *Finishing*.

CAULKING

Use an exterior grade, premium, flexible, paintable caulk. Follow the caulk manufacturer’s instructions for application. DO NOT use hard-setting caulk. Caulk is required at all butt joints and scarf joints, and where BELCO XT TRIM abuts siding, windows, and doors.











FASTENING

DO NOT use staples. Use only corrosion resistant fasteners, such as stainless steel or hot-dipped galvanized nails (minimum 8d recommended). Fasteners must be long enough to penetrate the structural framing members a minimum of 1-1/4”. Drive nails perpendicular to the framing and trim, leaving nails snug or flush with the BELCO XT TRIM surface. DO NOT overdrive or countersink the fasteners. If this happens, see chart for corrections.

All joints must fall on a structural framing member. Place fasteners no less than 1/2” away from the ends and edges of the BELCO XT TRIM. Both ends MUST be double nailed and additional fasteners must be spaced a maximum of twenty-four (24) inches on center, along the length of the board OR both ends double nailed and additional fasteners spaced a maximum of twelve (12) inches on center along alternating edges of the length of the board. If boards are eight (8) inches or wider, three (3) nails along the width of the board are required. For scarf joints, Belco recommends double nailing each end of each board but the double nailing of one end so it penetrates both pieces is acceptable.

For butt joints* and where the edges of BELCO XT TRIM abut siding, windows, and doors, leave a minimum of 3/16” space to allow for proper caulking.

**This may not apply to corners and window trim. See section entitled “Installing” for more information.*

Condition:		Correction:	
Snug		OK	
Flush		OK	
Visible fiber		Paint	
Countersunk, 1/16 - 1/8”		Apply caulk	
Countersunk, more than 1/8”		Apply caulk & re-nail	

INSTALLING

Horizontal Trim & Belly Band

Flashing is required over all horizontal trim. Belco recommends a sloped metal Z-flashing.

Batten

If using trim less than three (3) inches wide as battens, apply one nail per width, every twenty-four (24) inches. For all other widths, refer to instructions in the “Fastening” section.

When battens are applied over siding at vertical joints, sealant is not required. When applied to walls with horizontal joints, DO NOT run the battens over the joints and flashing. Horizontal band boards should be properly flashed above and below the board, with flashing installed below the board covering the top ends of the batten strips below. Leave a minimum 3/8” space between the end of the batten and the band board and DO NOT caulk.

Corners

BELCO XT TRIM width must extend beyond the face of the siding. Corner trim edge may lightly touch the adjacent trim edge. Caulking of the corner abutments is acceptable but not required.

Belco recommends installing BELCO XT TRIM directly to the structure but installing over the siding is acceptable. If using this method, the width of the trim must overlap the siding by a minimum of two (2) inches and caulking between trim and siding is not required.

If pre-assembling corners, cut BELCO XT TRIM pieces to size with clearance requirements in mind. Set pieces perpendicular and pre-drill fastening holes a minimum of twenty four (24) inches on center. Fasten with proper nails as outlined in the “Fastening” section.

Windows, Doors & Openings

Be sure to follow window and/or door manufacturers’ guidelines for trim installation. All openings must be properly sealed and properly flashed to avoid excess moisture. Trim ends may lightly touch adjacent trim edges around windows and doors only. Caulking of the window & door trim abutments is acceptable but not required.

For window sill, fasten one edge by nailing into the face of the product, where the material starts to bevel, at a diagonal into the framing member. Product should be single nailed at a maximum of sixteen (16) inches on center, alternating between the face of the board and coming up on the underside of the board.

Fascia & Rake

BELCO XT TRIM may be installed directly to rafter tails. If BELCO XT TRIM extends beyond the protection of the roof system, it may not be covered by the warranty. To minimize exposure to the elements, attach a metal coping to the BELCO XT Trim that is integrated with the roofing system. Install a drip edge to prevent water buildup behind the fascia and use gutters wherever possible. DO NOT attach gutters directly to BELCO XT TRIM.

At corners, all joints must be supported by framing and do not nail the face of one fascia member into the edge of another.

Mounting Blocks

BELCO XT TRIM width must extend beyond the face of the siding. Prime and paint all cut ends, edges and holes. For onsite assembled blocks, use metal Z-flashing over the top side of mounting block. Leave a minimum 3/8” space above the flashing and DO NOT caulk. For pre-assembled blocks, leave proper spaces at the two sides and bottom. Caulk said spaces along with the mounting block cutout.

Adjoining Stucco, Brick or Cultured Stone

To avoid direct contact with stucco, brick or cultured stone, Belco recommends separating materials with a minimum 1/2” space and caulking. Refer to caulking and cladding manufacturer’s instructions for additional spacing and sealing requirements. Metal flashing, polyethylene film, felt or masonry standoffs may also be used. Apply sloped Z-flashing over the horizontal trim to redirect water to the outer surface of the wall.

FINISHING

All exposed surfaces, including field cuts of BELCO XT TRIM MUST be topcoated with two (2) coats of quality, un-thinned, 100% acrylic latex, exterior grade paint intended for wood siding within sixty (60) days of installation. Where field-cut ends meet at butt or scarf joints, a bead of caulk along the joint line serves as an acceptable form of moisture control.

Paint must be applied and maintained (including repainting) in strict accordance with the paint manufacturer’s specifications.

Before painting, remove any dust, dirt, mildew or other debris by gently washing the BELCO XT TRIM surface with a brush, water and mild detergent. DO NOT use a pressure washer. Allow ample dry time for all BELCO XT TRIM products before painting.

Belco recommends satin/semi-gloss latex, full-gloss acrylic latex or solid-body stains. Oil or vinyl-based paints and stains should not be used.

Belco does not warrant the performance of field applied finishes. Finish performance is dependent upon the quality of paint used, quantity of paint used and the methods under which it was applied, all of which are controlled by the paint manufacturer and applicator.

*Look for the mark where the
treatment comes standard.*



BELCO 

Manufactured by Belco Forest Products | 360-426-8900 | belcofp.com

NOTICE OF CLAIMS

All claims must be submitted in writing to the installer, who must be afforded a reasonable opportunity to take corrective action or to notify responsible parties. If a claim is not resolved within thirty (30) days after notice to the installer, written notice* must be given within the Warranty Period to Belco Forest Products, Attention: Belco XT Products Manager, 1890 E Johns Prairie Rd, Shelton, WA 98584. Belco must then be given a reasonable opportunity to investigate the claim before corrective action is taken. When making any warranty claim, you may be required to send photographs and pieces of damaged and sound wood to Belco. In addition, Belco must be permitted to inspect the structure and test the wood.

** If product registration has been completed, only written notice is required. However, if your purchase is not registered with Belco, written notice and a copy of the receipt(s) or other proof(s) of purchase is required before Belco will take any action.*

PRODUCT REGISTRATION

In order to better serve your warranty needs, we ask that you fill out this product registration form and mail it, along with a copy of your receipt(s) or other proof(s) of purchase, to Belco Forest Products, Attention: Product Registration, 1890 E Johns Prairie Rd, Shelton, WA 98584. All information will be kept private and is used strictly for warranty verification purposes.

You may also register your product online at www.belcofp.com.



Belco XT Trim, and Belco XT Post Product Registration Form (01/20/23)

Date of Purchase _____ Date of Installation _____
(MM/DD/YY) (MM/DD/YY)

Project Type _____ New Construction _____ Remodel/Reside
(Check One)

Structure Type _____ Single Family _____ Multifamily _____ Commercial
(Check One)

OWNER INFORMATION

Business Name _____
Or First/Last Name _____

Address 1 _____

Address 2 _____

City _____ State _____ Zip _____

Phone _____ Email _____

PROJECT LOCATION INFORMATION

If project location address is the same as owner address, please leave this section blank.

Address 1 _____

Address 2 _____

City _____ State _____ Zip _____



BELCO 

Manufactured by Belco Forest Products
1890 E Johns Prairie Rd, Shelton, WA 98584

P: 360.426.8900

F: 360.426.3915

www.belcofp.com

BELCO 

BELCO XT PRESERVATIVE TREATED PRODUCTS



Limited Warranty & Registration Form

This warranty is effective 8/1/2016
The warranty in effect at the time the material
was purchased is the applicable warranty

Revised 01/23

Belco Forest Products ("Belco") warrants the purchaser, the first owner of the structure to which Belco XT Preservative Treated Products ("Product") are applied & the first subsequent owner of said structure, for a period of twenty (20) years from the date of installation ("Warranty Period"), that the Product, under normal conditions of use & exposure, when stored, installed, painted & maintained in accordance with Belco's Installation & Handling Instructions will perform as follows:

- **All Belco XT Trim, and Belco XT Post (solid and chased), used in a structural or non-structural application, will be free from delamination and manufacturing defects that cause excessive swelling, blistering, peeling, cracking, or chalking**
- **All Belco XT Trim, and Belco XT Post (solid and chased), used in a non-structural application, will also be free from damage resulting from decay fungi which would render such Product structurally unfit for its intended application**
- **All Belco XT Trim will be free against damage resulting from decay fungi which would render such product structurally unfit for its intended application**
- **All Belco XT Trim will be free from manufacturing defects that cause excessive swelling, blistering, peeling, cracking or chalking**

If at any time during the Warranty Period Belco determines that the Product has failed to meet the terms set forth in this warranty, Belco's sole and exclusive liability will be for replacement or reimbursement, at Belco's option, of the failed Product. If the Product that failed is part of a larger product or structure, Belco shall only be liable for the specific part or component which failed to comply with the warranty. Belco shall not be liable for (a) the cost of purchasing or applying the topcoat, (b) any costs associated with repair, removal, or disposal of damaged Product or the transport, handling, delivery, installation, construction or repair of any replacement Product, or (c) any incidental, special, indirect, multiple, punitive, or consequential damages resulting from any defect in Product, including but not limited to personal injury, damage to property, loss of goodwill, or lost profits. In any event, Belco's obligation under warranty shall not exceed the value of the Product subject to the claim as set forth on the purchase invoice.

Failure to read & follow Belco's Installation & Handling Instructions, and the terms, conditions, requirements, limitations & exclusions stated in said document, will void the warranty. Any Product found to be unsatisfactory prior to installation, must not be installed & should be returned to the dealer where it was purchased for replacement Product. Belco will not be responsible in any way if defective or unacceptable Product is installed.

REQUIREMENTS FOR COVERAGE

- All of the following conditions must be met for Product to be covered under this warranty:
- Product must be treated and primed in a factory setting, by Belco, in compliance with all written specifications, technical information & standards provided by the supplier and in accordance with all applicable laws, rules, regulations & industry standards
 - Product must be installed within the continental United States and constructed in accordance with all applicable building codes and inspected and certified for compliance by a local building code official
 - All surfaces & edges of the Product must be continuously protected from exposure to precipitation & other sources of water by the coating & topcoat as set forth below:
 - All surfaces and edges of the Product MUST be topcoated with a total of two (2) coats, within sixty (60) days of Product installation. Topcoat may be a clear finish or paint that is compatible with the primer, applied in accordance with all specifications, guidelines & recommendations of the topcoat manufacturer, and carries a warranty of no less than fifteen (15) years
 - Field cuts must be treated at time of construction with a suitable wood preservative end cut solution and topcoated AND/OR primed and topcoated prior to installation

- Product must be used in above ground applications, no less than eight (8) inches above grade & have no direct contact with concrete or metal sill plates.
- The Product must not be installed in any location that is continuously exposed to moisture, it being expressly understood that Products installed within the splash zone of sprinklers or gutters, or in locations subject to direct or indirect fresh or salt water spray, snow pack or water drainage shall not be covered
- Proper maintenance schedules, including the maintenance requirements of the priming & topcoating must be followed

WARRANTY LIMITATIONS & EXCLUSIONS

This warranty does not cover loss or damage of any kind resulting from any of the following:

- Damage to Any Product that does not Satisfy all Conditions Set Forth in the "Requirements for Coverage"
- Non-Structural Fungal Attack, including surface mold growth (including stains in the wood such as blue stain) on the wood substrate or on the top of the coating or topcoat
- Damage Resulting from Insects, including termites
- Improper Further Processing, Repair or Alteration, including but not limited to trimming, gluing, movement of the Product from the original location of its installation, or performance of finish coatings; failure of any such alterations to meet or exceed all requirements hereunder as applicable to original construction
- Improper Shipping, Handling, Installation and/or Maintenance, including but not limited to failure to follow Belco Forest Products' Installation & Handling Instructions, improper installation of framing lumber or other accessories, damage from incorrect design of structure, neglect, abuse, accidental damage, damage from falling objects, removing mildew, caulking, touching up damaged areas or other appropriate maintenance causing abrasions from rubbing, scratching, dents, dings, or other misuses of the Product
- Improper Storage, it being expressly understood and agreed that storage of Product in an uncovered state prior to installation is improper
- Extreme Weather Conditions, including but not limited to hail, lightning, tornado, fire, heat, freeze, windstorm, earthquake, unusual climate conditions, or other act of God
- Prolonged Contact with Water, including failure to cover exposed surfaces with a topcoat and expansion due to absorption of moisture into any part of the wood substrate
- Color Appearance, Fading or Extractive Bleeding/Tannin Stains, which are not manufacturing defects and therefore are not covered by this warranty
- Settlement or Structural Movement of the Product or the materials to which the Product is attached
- Damage or Failure Not Directly Caused by Fungus, including water damage, splitting, warping, twisting, swelling or shrinkage
- Damage Covered by the Topcoat Warranty. Coverage under such warranty must be sought prior to submitting a claim under the Warranty Period
- Exceeding the Maximum Designed Wind Loads
- Ordinary Wear & Tear of the Product
- Exposure to harmful chemicals (including harmful cleaning compounds), fumes, vapors, salt spray, air pollutants, vandalism or other abuse/misuse that may result in surface deterioration
- For Belco XT Trim, Uses Other Than Non-structural Trim and Fascia Applications, including but not limited to handrails, stairs and walkways

Belco reserves the right to discontinue or modify any of its products at any time, without notice to the consumer, and will not be liable as a result of such discontinuance or modification. If this occurs and Belco Forest Products replaces any Product under warranty, it may substitute materials of comparable quality and/or price.

THE DURATION OF ANY IMPLIED WARRANTY SUCH AS WARRANTIES OF MERCHANTABILITY AND FITNESS ARE LIMITED TO THE WARRANTY PERIOD AS DESCRIBED ABOVE OR BY APPLICABLE STATE LAW. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. BELCO FOREST PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES, AND DOES NOT AUTHORIZE ANY OTHER PERSON OR AGENT TO MAKE ANY OTHER EXPRESS WARRANTIES. BELCO FOREST PRODUCTS' OBLIGATIONS, RESPONSIBILITIES AND/OR LIABILITY IS STRICTLY LIMITED TO REPLACING OR REFUNDING THE DEFECTIVE PRODUCT AND IN NO EVENT SHALL BELCO FOREST PRODUCTS BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES THAT RESULT FROM BREACH OF WARRANTY. SOME STATES DO NOT ALLOW EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE. ALL JUDICIAL PROCEEDINGS ARISING OUT OF OR RELATING HERETO, MUST BE BROUGHT IN ANY STATE OR FEDERAL COURT OF THE UNITED STATES SITTING IN MASON COUNTY, WA, IF THAT COURT DOES NOT HAVE JURISDICTION, IN THE FEDERAL COURT LOCATED IN THE WESTERN DISTRICT OF WASHINGTON AT TACOMA, WA. BY MAKING ANY CLAIM UNDER THIS LIMITED WARRANTY, THE CLAIMANT IRREVOCABLY (I) ACCEPTS GENERALLY AND UNCONDITIONALLY THE EXCLUSIVE JURISDICTION AND VENUE OF SUCH COURTS, AND (II) WAIVES ANY DEFENSE OR FORUM NON CONVENIENS.



Belco XT Trim, and Belco XT Post Product Registration Form (Continued)

CONTRACTOR INFORMATION

Business Name
Or First/Last Name _____

Address 1 _____

Address 2 _____

City _____ State _____ Zip _____

Phone _____ Email _____

DEALER INFORMATION

Business Name
Or First/Last Name _____

Address 1 _____

Address 2 _____

City _____ State _____ Zip _____

Phone _____ Email _____

Please be sure to attach a copy of your receipt(s) or other proof(s) of purchase to ensure a complete product registration and mail to Belco Forest Products, ATTN: Product Registration, 1890 E Johns Prairie Rd, Shelton, WA 98584. Or you may register online at www.belcofp.com

Storage and Handling – Best Practices

In the Yard

1. BELCO XT TRIM must be stored flat, off the ground in a clean and dry environment (preferably in the warehouse or in covered racks) until the time of delivery.
2. Maintain vertical alignment of stickers when stacking multiple bundles.
3. Avoid direct contact with the ground, concrete, or standing water. Avoid storage in the extreme sun or hot weather for prolonged periods of time.
4. Leave units wrapped to prevent punctures or tears. When breaking units, leave remaining product neatly stacked and covered.
5. All Belco XT Products have finish tolerances on ends, edges and faces. Use extreme care with forklifts and manhandling to avoid damaging product.



At the Job Site

1. Store in garage or on flat surface away from standing water.
2. To help minimize movement after installation, cut the banding after delivery and allow BELCO XT TRIM to acclimatize to ambient conditions prior to installation. Do not leave product exposed to direct sunlight for prolonged periods of time.
3. Before installation, check the moisture content of the wood. Installing wet product (above 18% MC) may result in excessive shrinkage, moisture encasement from finish painting, and product degradation. Belco Forest Products (“Belco”) IS NOT responsible for damage caused by improper storage, maintenance, or installation of Belco XT Products.
4. The structure to which BELCO XT TRIM is applied should be well vented and dry. DO NOT install BELCO XT TRIM over soaked sheathing, structures that have excessive moisture conditions or out of plane walls/buckled sheathing.
5. Stack neatly and re-cover any unused product to prevent exposure to elements.
6. Minor surface mildew on wood is not a threat to product integrity. If present, clean the surface with a 1-part bleach to 3 parts water solution.

ABOUT BELCO FOREST PRODUCTS — In business since 1978, the company operates three manufacturing plants on 16 acres in Shelton, Washington. Belco produces a variety of exterior wood products including the best-selling XT brand, a line of premium treated trim for residential and commercial applications. All Belco products are available through leading distributors nationwide.