



## TIMBERTHANE INSTALL GUIDE AND WARRANTY REQUIREMENTS





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## DISCLAIMER

Please read this entire guide before installing your Timberthane siding.

You must understand and follow all requirements and steps correctly from the guide below and Ontario building code for proper installation.

#### PLEASE NOTE:

#### COMPLIANCE WITH TIMBERTHANE'S INSTALL GUIDE & REQUIREMENTS BELOW IS MANDATORY FOR WARRANTY. FAILURE TO COMPLY WITH TIMBERTHANE'S INSTALL GUIDE & REQUIREMENTS CAN VOID YOUR WARRANTY. ALL WARRANTIES ARE SUBJECT TO APPROVAL AND INSPECTION WHEN DEEMED NECCESSARY BY TIMBERTHANE.

Timberthane representatives are available for any questions you may have Monday to Friday, 8:00am - 4:00pm EST at (705) 645-7757. You can also contact your sales rep directly, or send an inquiry to *info@muskokatimbermills.com* 

> (705) 645-7757 www.timberthane.com www.muskokatimber.com info@muskokatimbermills.com 2152 Manitoba St, Bracebridge ON, P1L 1X4



#### **1. STORAGE & HANDLING**

Timberthane should be stored in its original packaging in a covered area protected from the weather elements. These products must be kept on a flat and level surface, minimum 6" off the ground to allow for proper ventilation. (FIGURE 1) Never store in direct contact with the ground. The recommended storage for Timberthane siding is a dry, unheated, and well-ventilated area away from direct sunlight. Timberthane has excellent dimensional stability and will remain stable throughout the changing elements. All site-cut siding and trimmed pieces must be covered and protected from the elements as well. If the original packaging is no longer in acceptable condition, use a waterproof membrane to cover the material. Cover any siding you are not using before and during installation.



- Do not use any saturated pieces while installing. All siding and trim boards must be dry prior to installation. It is recommended to install siding as quickly as possible after delivery.
- Care in handling and installation is essential. Timberthane is intended to be installed without requiring a final paint coating after the job is complete. A final cleaning is recommended when the job is complete. Typically, any surface marring or whiteish scuffs can be removed with a final clean-up with your supplied reducer.

#### **2. PRIOR TO INSTALL**

#### **Building Codes**

Ensure you are informed with the requirements of all Federal and Provincial building codes. Ensure you are also informed with Municipal by-laws for your region with respect to installing any building products. Any by-laws or building codes supersede this guide if any differences arise. If you require any additional information, see the National Codes on the Government of Canada's website at https://nrc.canada.ca/en/certifications-evaluations-standards/codes-canada/codes-canada-publications

#### **Order Check**

Before install, the personnel on site must be responsible for checking the order thoroughly, including: checking your quantities, colours, and profiles are all correct. Ensure satisfaction with product before installation.
 If unsatisfied or product looks to be defective, do NOT install the product and call Muskoka Timber Mills immediately. Installed product is deemed accepted product.

#### **Warranty Reminder**

Remember to complete Timberthane's Warranty Module before you install your Timberthane siding to secure a
proper warranty. Please read this entire install guide in full to be prepared for the module. See the last page for
more details.



### **3. SIDING ESSENTIALS**

#### **General Info**

- Siding must be installed on a 16" on center stud-built wall. (FIGURE 2) You
  must secure your fastener(s) to furring strips and plywood (or OSB). Using an
  approved water barrier behind (such as Tyvek or Typar) is strongly recommend.
  Follow your local building code.
- The consumer of Timberthane should confirm the integrity of the wall and structure of the building before they install their siding. Make sure you check that the wall is solid and straight and can handle the application. Timberthane will not be held reliable for any defects that may arise from movement in the building.



#### Water Control

Water should always be able to drain freely without any restrictions between the siding and waterproof barrier to prevent water accumulation. Do not put horizontal furring strips or any other substrate at the bottom of walls that would cause a blockage causing water accumulation. To ensure you have proper water routing, install gutters and deflective flashing on roofs to direct water away from the siding. Install flashing over any other openings, flat surfaces, and wherever moisture drainage would be needed. Place weather-seal tape and/or membrane around doors and windows to ensure a tight seal that will not let water infiltrate behind it.

#### Ventilation

Proper ventilation is required when installing Timberthane siding. Allowing moisture and heat to escape between the siding and water-barrier is important to allow the material to breathe. (FIGURE 3) By installing furring strips, you are creating a gap between the siding and water-resistant material which creates the passageway for the moisture and heat to escape freely. The clearance should be a minimum of ½" at the top and bottom of walls to allow the proper entry and exit of air flow. This should be standard across the entire length of the wall. Requirements may vary – please consult your local building code.

#### Caulking

- When using Timberthane siding, we recommend the use of exterior grade, highperformance acrylic or urethane caulking and sealants. This caulking should be used to seal any gaps around windows, doors, and joints that may allow water to enter. Caulking is something that needs to be maintained – please check the caulking on a regular basis to ensure it is preforming properly and not failing resulting in water entry.
- Caulking should only adhere to 2 surfaces, avoid 3-sided adhesion. For gaps larger than 1/4," insert a backer rod first, then caulk over the gap. Requirements may vary – please consult your local building code and/or follow the caulking manufacturers guide.

**CAUTION** - DO NOT CAULK DRAINAGE AREAS. DO NOT CAULK UNDER WINDOWS OR AROUND FLASHING. DRAINAGE AREAS NEED TO BE FREE OF CAULKING TO ALLOW MOISTURE TO ESCAPE AND NOT ACCUMULATE – THIS WILL CAUSE MOISTURE ISSUES.

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FURRING STRIPS



#### 4. TOUCH-UPS & MIXING

#### About

• Every order of Timberthane siding will come with a touch-up kit. The touch-up kit includes the same highpreformance polyurethane coating used in the manufacturer of Timberthane siding.

> 1 Gallon Kit includes: 1 Gallon (128oz) of coating, 1 quart (32oz) of activator, 1 quart (32oz) of reducer, 12oz paper cups, 3 oz paper cups, and paint brushes.

1 Quart Kit includes: 1 quart (32oz) of coating, ½ pint (8oz) of activator, ½" pint (8oz) of reducer, 12oz paper cups, 3oz paper cups, and paint brushes.

- This product consists of resin components that will cure and dry upon being mixed and applied. The resin components are humidity and moisture sensitive, and will react if they are exposed.
- An enclosed and ventilated area that is dry, cool but not cold, is ideal for storage of this product. Do not freeze or expose to temperatures over 32° C (90° F). The guaranteed shelf life of the material is 6 months from the date of manufacture, but may remain acceptable for up to 2 years.
- Before you apply any coating to your Timberthane siding, you must prep your surface properly. The wooden surface must be completely dry and free of dust, oil, and other contaminants. Remove grease, oil, and tree sap using the reducer supplied. Remove dirt with a wire brush or coarse sand paper and blow dust away.

#### Mixing

- Timberthane coating is a 2-part coating system which will cure after the coating and activator are mixed at 4:1 ratio by volume. The activator is in the bottle; this component is clear and un-pigmented. The coating is in the largest can, it has pigment and contains additives.
- Timberthane coating must be stirred and mixed correctly or it will not preform. The coating will appear off-colour or shiny if not stirred sufficiently each time a touch-up mix is required. The can containing the colour coating must be stirred for 5 minutes with an electric drill and mixer attachment to ensure uniform dispersion. Even over a short period of time the suspended pigments, additives, and flattening agents will settle and an undesirable contrast may appear on the surfaces. Using the cups provided, pour out the coating into a 12oz paper cup and the activator in the 3oz cup. The activator can be hand shaken. The two cups can then be poured into a clean, empty container resulting in your 4:1 ratio mixture. Finish by stirring the final mixture adequately for 3 minutes before applying.



**CAUTION** – MIX ONLY WHAT WILL BE USED FOR THE NEXT HOUR OR LESS. DO NO ATTEMPT TO USE ONLY ONE INGREDIENT WITHOUT THE OTHER. ALTHOUGH THE COATING WILL EVENTUALLY DRY ON EXPOSURE TO AIR, THE FINISHED FILM WILL NOT PREFORM. DO NOT ATTEMPT TO USE PRODUCT THAT HAS BEGAN TO SET (MORE THAN 4 HOURS) AS IT WILL NOT ADHERE PROPERLY. CHANGING THE MIXTURE RATIOS WILL ADVERSELY AFFECT THE PERFORMANCE OF THE COATING.

**TIP** - It is helpful especially in the hot summer months, to add a small amount of reducer to keep the coating thinner as it evaporates quickly. The ratio can be mixed as follows 4:1:1 (4 parts coating, 1 part activator and 1 part reducer). Reducer also helps "flatten" the sheen of the coating. In the summer the coating will evaporate and catalyze quicker in the heat. It is best to keep it out of direct sunlight.

Application

**IBERTHANE** 

- Activated Timberthane coating is best used 1-2 hours from the time of mixing. Once the coating and activator have been mixed, the "pot life" (useable time) can last up to 4 hours depending on weather conditions.
- The coating will start cross-linking immediately upon activating. Do not use any old/expired mixtures as this can affect colour appearance and sheen. Fresh coating is best.
- Timberthane will cure in sub-freezing conditions regardless of the ambient temperature during application. It is normal for curing to take 12 hours or more when temperatures are cooler. Unlike latex products, Timberthane coating can be used in below freezing temperatures but it is not recommended due to the frost and mildew that can accumulate. Proceed with caution if doing so. If applying in the winter months, it is ideal to apply the coating on days where it is 5 degrees or warmer with dry conditions for proper application.
- **TIP** In cold weather, kit components should be kept warm for ease of pouring, mixing, and applying!

**Touch-Ups** 

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- Any exposed or raw wood made by cuts and onsite modifications must be coated to create a seal. Non-coated ends can absorb 250x the moisture of non-coated face grain. Failing to seal ends will affect siding and coating performance and void the warranty. All cut ends must be sealed immediately. (FIGURE 5)
- The performance of the Timberthane depends on a complete seal around the whole board. Touch-ups on the face of the material should be kept to a minimum. No larger than a dime. Do not use a wide brush. Since the factory coated boards are sprayed at high pressures it is very difficult to achieve the same looking finish by hand. Any excess coating that curls around to the face of the board when treating cuts should be wiped away immediately with a disposable rag and a small amount of reducer. Use an artist brush or cotton tip to apply a minimal amount of coating to correct any minor issues. (FIGURE 6)
  - It is not recommended to do any final touch-ups on the face unless the board is completely dry (ex. morning dew, or rain wetted). Timberthane is moisture sensitive and can react to moisture adversely. Sealing end cuts, rippings, and trimmed pieces that are not visible in the final product is allowed providing they are done undercover and out of the adverse weather.



#### **5. COATING OTHER MATERIALS**

Timberthane system is a proprietary and factory applied coating. The process includes applying a special polyurethane primer before the Timberthane colour coating is applied. Attempting to finish you own boards without the proper polyurethane seal may not produce the look or achieve the longevity desired. Products coated by any others than factory trained individuals are not covered under warranty. Timberthane will not stick to metal or plastics without a proper adhesion primer.

CAUTION - TIMBERTHANE COATING IS NOT DESIGNED AS A REPLACEMENT TOP COAT OVER OTHER OLD FINISH.

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#### 6. HORIZONTAL INSTALLATION

**Vertical furring strips** 

- Furring strips are crucial for proper wall ventilation. We use furring strips to create proper airflow between the siding and water-proof barrier. Not only does that allow for proper airflow, but ensures appropriate moisture drainage so it does not accumulate behind the siding.
- Furring strip application: 1" x 3" furring strips are acceptable. Confirm your furring strips are in good shape before installing your siding. Timberthane can not be held responsible for weak or damage furring strips that could potentially cause damage to the siding. Furring strips should be installed 16" on center.
- **TIP** Never install your furring strips in a diagonal manner or horizontal at the bottom of a wall. This will obstruct ventilation and prevent the moisture and air to exit freely.

FIGURE 7



Installation

- The ends of Timberthane siding that are end-matched have a tongue and groove system on all the ends to allow a faster and cleaner install. This also means joints can fall anywhere between furring strips and the ends do not have to be cut either. To prevent movement in the boards, use boards that are long enough to cover at least two furring strips – this will ensure a strong hold. (FIGURE 7)
- When fastening your staples into the furring strips, make sure these are centered on the furring strip and have a proper connection into the wood.

**Board Ends** 

- When fitting board-to-moulding, a 90° cut is required so the board connects flush with the moulding. Touch up paint can be used when necessary to seal the wood. Use a sealant for a smoother finish and to protect the joint only where needed. Improper use of sealant can prevent water drainage. Staples should be <sup>3</sup>/<sub>4</sub>" from the ends of the boards.
- When fitting board-to-board and/or moulding-to-moulding, a 22.5° cut is required. You can apply touch-up paint when necessary. Do not use sealant in this situation. Any joint cuts must be fastened to a furring strip.

#### 7. VERTICAL INSTALLATION

The following profiles are the only Timberthane profiles that can be installed vertically: *Board and Batten, Channel, V-Joint, Euro-Channel, and Shadow Line*. If any other profile that is not listed above is installed vertically, you are risking the show of staples. This may also void warranty in some cases.

**Double Furring** 

- When installing vertical siding, the use of double-furring is required. Vertical furring (as spoken about in section 6) should start first. Then, horizontal furring strips are required to be placed over the vertical strips every 12" to create a grid-like pattern. (FIGURE 8) This practice is recommended, however follow your local building code.
- Ensure a proper snug fit when nailing your fastener to your furring strips. Confirm your furring strips are in good shape before installing your siding. Timberthane cannot be held responsible for weak or damage furring strips that could potentially cause damage to the siding.



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#### Installation

- When starting your double furring application, begin on the right-hand side of the wall. Install the first board using nails and then continue your application with staples on the remaining boards.
- When fastening your staples into the furring strips, make sure these are centered on the furring strip and have a proper connection into the wood.
- To prevent water infiltration between each board, the boards must be installed with the tongue end facing upward. This will help keep out any unwanted moisture. (FIGURE 9)

#### **Board Ends**

• When fitting board-to-board and/or moulding-to-moulding, a 22.5° cut is required. You can apply touch-up paint when necessary. Do not use sealant in this situation. Any joint cuts must be fastened to a furring strip. Confirm the angle cut points is not facing upwards to help prevent water from infiltrating through the joint.

### 8. SPACING & ALIGNMENT

- Your siding has been kiln dried to 8-12%. However, seasonal tangential shrinkage or expansion in width can be experienced on any wood siding.
  Observe a 1/16" gap spacing between boards to accommodate this variance. (FIGURE 10). When better horizontal alignment is desired, adjust the 1/16" gap to better align the profile. A 1/16" 1/8" variance in height is considered a normal variance in wood siding. Do not exceed this measurement.
- Never place 12', 14' and 16' boards end to end. Select 4', 6', 8' and 10' boards to place between longer boards to avoid longitudinal shrinkage.

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WITH THE

TOUNGE

FIGURE 9



FIGURE 10

1/16" - 1/8" GAP BETWEEN BOARDS

#### **9. FASTENERS**

Most standard profiles of Timberthane siding come with the tongue and groove ("end-matched") features making installation easier than traditional shiplap profiles. Custom profiles may need nails. Most profiles under 6" use hidden fasteners while larger sizes require nails or a combination of both.

Timberthane recommended nail guide:

6″ profile	No nails required.
8" profile	Requires 1 face nail ¾" down the face of
	the board into the furring strip.
10″ profile	Requires 2 face nails 3/4" down the face of
	the board into the furring strip.
12" profile	Could vary depending on profile.
	Contact sales rep for further clarification.



#### **Staples**

- Staples to be used with Timberthane siding: 2" leg heavy wire staples, 7/16" crown x 16-gauge, resin coated stainless steel SUS 304 staples.
- When fastening staples to Timberthane siding ensure you are pressing firmly against the furring strip to ensure proper penetration of the staple. Proper installation should have a constant straight line of staples along the fastening line – avoid variance in positioning. If you do not staple along the fastening line this can result in visible staples and could cause the tongue to crack. (FIGURE 11)
- Two staples should be fastened on each furring strip on a 20° angle, leaving a minimum 3/4" space between them. Do not fasten more than 2 or less than 2 staples. (FIGURE 11)
- Staples should sit flush on the surface, not sticking out, nor driven too far deep. They should have a penetration of 1" into the solid substrate. (FIGURE 12)

**CAUTION** – PNEUMATIC STAPLES ARE STRONGLY RECOMMENDED WHEN INSTALLING ANY TYPE OF SIDING. MODELS SUGGESTED ARE MAKITA AT1150A, HITACHI N5008M, SENCO SNS41 OR OTHER EQUIVALENT MODELS.

FIGURE 11 **FASTENING LINE** 

CONSISTENT NAIL POSITIONING IS KEY TO A STRONG HOLD. ENSURE YOU ARE STAPLING ON THE FASTENING LINE TO AVOID VISIBLE NAILS IN YOUR FINAL PRODUCT. TWO STAPLES PER STRIP.



#### Nails

- Every Timberthane order is supplied with colour-matched coated nails to ensure a seamless look. Nails to be used with Timberthane siding: Code approved, hot-dip galvanizing ring shank split-less wood siding nails. Nails come in a 2-1/2" and 3-1/2" sizing. Recommended: 2-1/2" for siding and 3-1/2" for trim/batten.
- A nail is required every time a cut is made in the wood. If any board is being adjusted more than 1/16", use a nail in the bottom of the board.



- When fastening nails, ensure they are sunk properly into the furring strip. They should sit flush on the surface, not sticking out, nor driven too far deep. They should have a penetration of 1" into the solid substrate. (FIGURE 13)
- Where nailing is required, a Hammer Cap is provided to avoid bruising the wood and help set the depth of the nail head.

CAUTION – THE VARIATIONS IN WOOD DENSITY THROUGHOUT A BOARD OR PACKAGE OF BOARDS DO NOT ALLOW FOR A CONSISTENT FLUSH MOUNTED NAIL POSITION. COIL AND PIN NAILING TEND TO BREAK THE SURFACE AND LEAVE THE SUBSTRATE EXPOSED TO THE ENTRANCE OF MOISTURE. COIL NAILING AND PIN NAILING WILL VOID THE WARRANTY OF TIMBERTHANE SIDING.

#### ATTENTION: Siding Glue vs. No Face Nail (8" profiles)

Through continuous improvement and customer feedback, Timberthane makes best efforts to increase the beauty and quality of our siding products. Removing the required 2-1/2" Timberthane coated face nail on 8" profiles and using the alternative adhesive "TITEBOND HEAVY DUTY" is an installation option. Testing has proven that this product is a suitable solution in lieu of face nailing. Please note, if moisture is present on either boards or furring strips, glue will fail. Muskoka Timber Mills and/or Timberthane is not responsible to warrant another manufacturer's product. The effectiveness of the outcome depends on proper installation. In the event of an adhesive failure, Muskoka Timber Mills may provide the coated face nails as required free of cost upon providing documentation, such as pictures and proof of purchase, to ensure that "TITEBOND HEAVY DUTY" was applied properly.



#### **10. CORNERS**

Timberthane siding should be finished with proper approved corners such as 1-piece corner, inside corner or metal corners. See figures below. (FIGURE 14)

A desired angle of 22.5° should be the cutting angle to allow water to drain out and down freely and not get caught in and behind the siding. Use nails every 16" and at  $\frac{3}{4}$ " – 1" from the edges of the corner to fasten the corners in.

**CAUTION** – 2 PIECES OF SIDING SHOULD NEVER BE CUT AND JOINED AT A 45° ANGLE TO MAKE A CORNER. THIS WILL CAUSE YOUR OPTIONS TO BE LIMITED FOR ADJUSTING THE PIECES DURING INSTALLATION. THE UNAVOIDABLE SHIFTS IN WOOD WILL ALSO BE MORE OBVIOUS OVER TIME. WE UNDERSTAND THAT WITH THIS QUALITY GRADE OF SIDING, PEOPLE WILL ATTEMPT TO FINISH WITH MITERED CORNERS FOR A HIGH-END, SEAMLESS LOOK. HOWEVER, THIS FALLS OUT OF SCOPE FOR BASIC INSTALL. THERE IS NO WARRANTY WHEN INSTALLING THESE TYPES OF CORNERS, AND CAN BE VOIDED. WE WILL ALWAYS RECOMMEND A FACTORY CORNER SHOWN BELOW.





#### 11. WINDOWS & DOORS

All openings must have acceptable drainage above and below to allow for constant ventilation. Windows and Doors must be properly set in order to have a proper siding install – this will depend on the thickness of the furring strips. Trims should be installed before siding. Trims should not protrude past the door or window frame. This would allow for a great chance of water infiltration. When the siding joins to the frame, the frame should be as deep as both the thickness of the wall and siding combined.

**Below Windows** 

Bottoms of windows are susceptible to water accumulation due to being a horizontal surface. You can avoid this by installing flashing with a slight slope to it for water runoff or angle cut the moulding by 10%.

#### **Above Windows**

You must install flashing above windows. This includes a sloping angle on the flashing so water has a run-off and is not sitting on top of the window. This angle should be a minimum of 6%. Minimum <sup>1</sup>/<sub>2</sub>" spacing between flashing and siding to allow for proper air flow and moisture drainage. Ensure a projection of at least <sup>1</sup>/<sub>4</sub>" when installing the flashing over the window. (FIGURE 15) FIGURE 15





#### **12. CLEARANCES & JUNCTIONS**

#### **Bottom Of Walls**

Siding must be installed at least 8" from the ground. This will help ensure avoiding exposing the wood to splashing rain, potentials floods, and soil moisture. Siding should never come into contact with the ground at any point in time. (FIGURE 15)

#### **Top Of Walls**

 Regardless if the siding in mounted horizontally or vertically, a ventilated moulding should be used to allow air to flow and for heat to escape freely.
 Please refer to your local building guide for further clarification.



#### Siding - Deck

- Just like the ground, siding should never come into direct contact with a balcony and/or deck. Rain water needs
  to be allowed to escape freely if you install the siding in direct contact, this will trap the water and cause water
  accumulation.
- To prevent pooling water and ice damming, a minimum of 2" gap needs to be left in adjacent from horizontal structures. Ventilated start strips should be installed directly to the furring at the bottom of the wall.

#### **Dormer - Roof**

- A 2" space should be left between the surface of the roof and your siding. This will allow the water to drain in a free manner.
- When dealing with gable & dormer areas, extra furring strips must be added to the tops of the walls.

#### **13. CEDAR SHAKE**

- Shake shingles can act as the perfect accent on the exterior of your home. The Timberthane 2-part polyurethane coating can be applied to cedar shakes so you have the same long-lasting, durable materials on the complete exterior of your home.
- In order to ensure a proper install, the following is required: Metal flashing should be installed above window and door opening, and caulk around any other existing openings. All inside corners should have metal flashing as well. Exposure on wall wood shingle can be much greater than roof shingles as walls are less exposed to weather conditions. First row of shingles should be two cedar shingles thick and protrude at least 1" from the top of the foundation.
- Shingles are always nailed to 1" x 4" wooden laths fixed directly to the frame or existing wall coverings. Lath sheathing should be nailed in a staggered pattern: 4 nails to form a square and 1 nail in the middle. Shingle exposure should not be more than 6". (FIGURE 16)

FIGURE 16



- Installation of a mesh screen is necessary to prevent insects from getting in through ventilation space on corners, edges, or walls.
- Proper ventilation must be considered when installing shake. This is essential for durability, quality, and longevity. Proper ventilation reduces moisture build up considerably. Please refer to your local building code.
  - NOTE There are other products such as the Home SlickerTM that can be used instead of wood strapping. Follow your local building code.



### **14. RESIN/PITCH**

- Timberthane kiln dries and sets the pitch of the wood siding to minimize any resin movement in the wood. However, it may be possible that some pitch/sap may move to the surface of the product in the warmer summer months. Pitch will not harm the coating and can be removed with acetone or Pinesol products. Once the area has dried remove any remaining residue with soapy water and a soft bristle brush.
- Extractive bleeding is a natural occurrence and is not covered under the warranty.

#### **15. COLOUR APPERANCE**

Wood has a distinctive character all its own. Wood may display colour variations, knots and grain patterns that
make each piece unique. Wood has a distinctive character all its own. Wood may display colour variations, knots
and grain patterns that make each piece unique. The colour sample may not be an absolute true representation of
the finished colour appearance due to grain density, texture and sheen variance in the wood species. Understand
that Muskoka Timber Mills/Timberthane is not responsible for these naturally occurring variations.

#### **16. WARRANTY REMINDER**

- To be eligible for Timberthane's Lifetime Warranty, you must complete the Warranty Module below and obtain your Timberthane certification. This must be completed PRIOR to installation.
- **PLEASE NOTE:** This module must be completed by the individual and/or company who is physically installing the Timberthane siding.
- To access the Warranty Module, please scan the QR code or enter the following URL into your browser: https:// forms.gle/JKwiWBAsT4BquFrD6



**Timberthane Warranty Module** 

