Effective
July, 2002

TimberTech Deck/Railing INSTALLATION INSTRUCTIONS AND WARRANTY

TimberTech®
Engineered Decking Systems
Less Work. More Life.™

Tongue-and-Groove Planks | 5/4 Planks | 2x6 Planks | Fascia Board | TimberTopper™ Deck Covers | Railing System | Steps

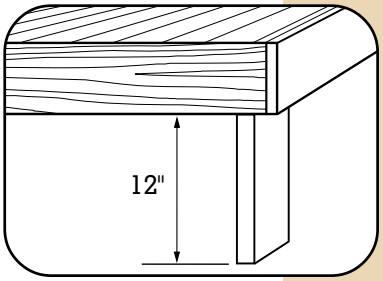
General Information

TOOLS

- For all TimberTech Engineered Decking Systems™ products, standard woodworking tools may be used, as per applicable manufacturer's instructions.
- Protective clothing and safety glasses are recommended.

DECK PLANK APPLICATIONS

TimberTech Tongue-and-Groove Planks



- For proper ventilation to reduce moisture buildup from beneath the deck, there must be a minimum 12" high unobstructed continuous air space along at least three sides of the deck to allow for cross-ventilation. (See figure at right.) For skirted decks, this should be located just below the bottom of the deck joist. The use of a lattice panel is permitted as long as the lattice openings are at least as wide as the lattice slats.
- In some limited applications, including L-shaped decks, additional ventilation may be required where the deck meets the building.
- **Tongue-and-Groove Planks should not be used for roof applications or on-grade applications where the deck joist is touching the ground and proper ventilation cannot be provided.**

TIMBERTECH 2X6 PLANKS AND 5/4 PLANKS

- For use in the same way as traditional wood decking.
- For use in areas with minimal/obstructed continuous airflow.
- For use on roof and on-grade applications with a minimum of a 2" (nominal) sleeper system supported by and connected to the substructure over which the deck is to be built.
- TimberTech's brushed surface is directional in manner. A notch has been added along one edge of each plank. When installing 2x6 Plank, 5/4 Plank or Fascia, this marked edge must be laid to the same side (always to left or right as viewed from the ends of the planks) for the entire installation. By doing this, the direction of the brushing will be the same for each board ensuring a consistently colored surface board to board. (Refer to page 9, Figure 49 and Figure 50).

STORAGE/HANDLING

- Do not dump when unloading.
- Store on a flat surface.
- If outdoors, cover with non-translucent material.
- Handle with care; do not drop.
- When carrying planks, carry on edge for better support.

CANTILEVERING

- TimberTech deck planks should not extend beyond edge of deck frame.

Other Product Information

- TimberTech Fascia Board is for vertical applications only and should **NEVER** be used as deck planks.
- TimberTopper should **NEVER** be used as deck planks.
- TimberTech Top Rail and Side Rail should **NEVER** be used as deck planks.
- **TimberTech has a Class B fire rating, it burns similarly to wood, and it is no more toxic than wood.**
- **TimberTech has superior slip resistance compared to wood, and meets or exceeds all Americans with Disabilities Act standards for non-slip walking surfaces.**
- TimberTech Tongue-And-Groove Plank is listed with BOCA Evaluation Services, Inc. Research Report #99-5.
- Always consult local building codes.
- **TimberTech is not intended for use as columns, support posts, beams, joists, stringers, and other primary load-bearing members.**

Installing Tongue-and-Groove Planks

COMPONENT DIMENSIONS

- Tongue-and-Groove Planks (12', 16', 20' lengths; approximately 2.2 lb. per ft.) (Fig. 1)
- Starter Strip (12' length) (Fig. 2)

FASTENERS

- Use #8x2-1/2" stainless steel or galvanized deck screws.
- No pre-drilling required (except in extremely cold conditions).

LAYOUT CONSIDERATIONS

PLEASE SEE DECK PLANK APPLICATIONS ON PREVIOUS PAGE FOR MORE INFORMATION.

- Measure carefully. TimberTech Tongue-and-Groove Planks provide a full 6" wide surface area and 11% more coverage than standard wood planks. Two planks installed correctly will cover approximately 12-1/4".
- Be certain joist system is properly square.
- When decking runs parallel to house, install from the outside of the deck toward the house so that any ripped planks will be less visible.
- Staggering seams is recommended for best appearance.
- We suggest that the deck slope 1/2" for every 8' away from the house to aid water run-off.
- Leave a 1/8" gap between planks laid end to end, between house wall and planks, and between fascia board and planks.

SPAN REQUIREMENTS

		90° Angle	30° Angle	45° Angle
Maximum Span*	Commercial	16"	14"	11"
	Residential	24"	20"	17"

* Special conditions will require an engineering inspection and/or reduced spans. Always consult local building codes.

GETTING STARTED/FIRST ROW

- Place TimberTech Starter Strip along leading edge of deck and drive screws as shown (Fig. 3).
- Using hand pressure only, slip "tongue" into Starter Strip "groove" — there will be a gap of up to 1/4" between planks and Starter Strip. You will be able to see part and/or all of the weephole. **Do not force planks and Starter Strip together.**
- Fasten planks into joists as you did Starter Strip.
- For best results, start fastening at the middle of plank and work out.
- **IMPORTANT: Do not use glue or caulk to fasten TimberTech planks. Do not use glue or caulk to seal the joint between the Tongue & Groove planks. This will inhibit movement for expansion and contraction and will impede the drainage of the deck.**
- Butt joints must fall on a joist.

SUBSEQUENT ROWS

- Using hand pressure only, slip planks into place. There will be a gap of up to 1/4" between planks. **Do not force planks together** (Fig. 4).
- Fasten planks as you did the first row (Fig. 5).
- For best results, start fastening at the middle of plank and work out.

LAST ROW

- If last row is a full-width plank, run screws through the face or groove section of each plank and into the joists (Fig. 6).
- If last row is a partial-width plank, rip planks to fit, block with a 1x, and fasten as shown (Fig. 7, next page) through the plank face and block into the joist.
- To trim your deck, use TimberTech Fascia Board or End Cap. (See "Trimming A TimberTech Deck.")

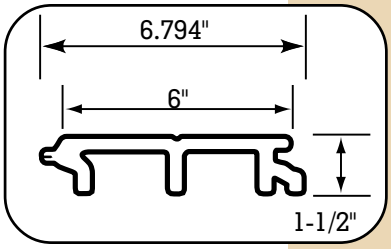


Fig. 1

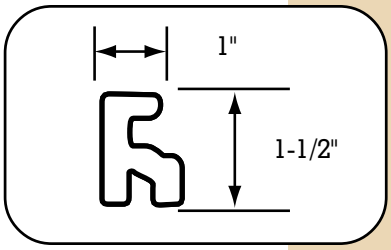


Fig. 2

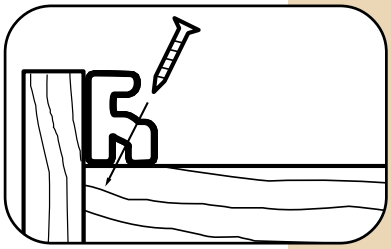


Fig. 3

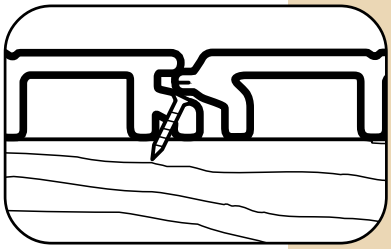


Fig. 4

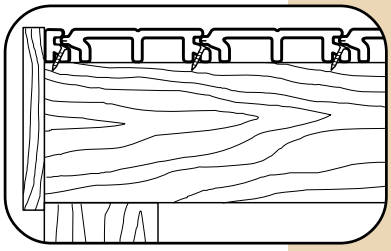


Fig. 5

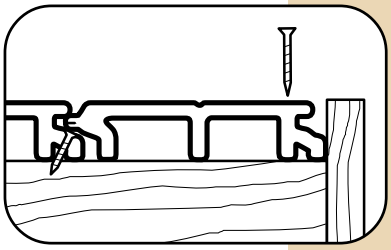


Fig. 6

Tongue-and-Groove Plank Replacement

- Remove the damaged plank by cutting down the length of the plank and prying it out. Be careful not to damage the planks on either side.
- Cut the "heel" off the "groove" of the replacement TimberTech plank (Fig. 8).
- Slip the "tongue" of the replacement plank into the "groove" of the plank already in place.
- Using a 2-1/2" trim screw, fasten the replacement plank from the top (Fig. 9), allowing the screw to bury itself into the plank. TimberTech will "mushroom" at the spot where the screw is located.
- Push the "mushroomed" material down into the hole, using the side of a hammer to flatten it out — this will help to hide the fastener.
- The replacement plank will weather to a natural driftwood gray color (light brown in hot, dry climates) in approximately 8-10 weeks.

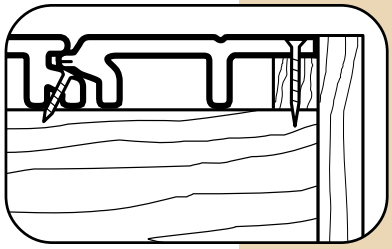


Fig. 7

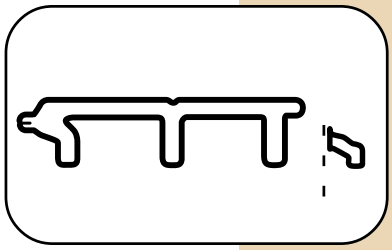


Fig. 8

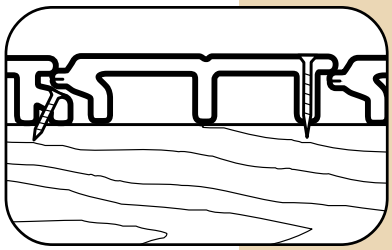


Fig. 9

Installing 2x6 Planks

COMPONENT DIMENSIONS

- 2x6 Planks (12', 16', 20' lengths; approximately 2.6 lb. per ft.) (Fig. 10)

FASTENERS

- Use #8x3" stainless steel or galvanized deck screws.
- No pre-drilling required (except in extremely cold conditions).

LAYOUT CONSIDERATIONS

PLEASE SEE DECK PLANK APPLICATIONS ON FIRST PAGE FOR MORE INFORMATION.

- Measure carefully. Like standard wood planks, TimberTech 2x6 Planks provide a 5-1/2" wide surface area.
- Be certain joist system is properly square.
- When decking runs parallel to house, install from the outside of the deck toward the house so that any ripped planks will be less visible.
- Staggering seams is recommended for best appearance.
- We suggest that the deck slope 1/2" for every 8' away from the house to aid water run-off.
- TimberTech's brushed surface is directional in manner. A notch has been added along one edge of each plank. When installing 2x6 Plank, 5/4 Plank or Fascia, this marked edge must be laid to the same side (always to left or right as viewed from the ends of the planks) for the entire installation. By doing this, the direction of the brushing will be the same for each board ensuring a consistently colored surface board to board. (Refer to page 9, Figure 49 and Figure 50).

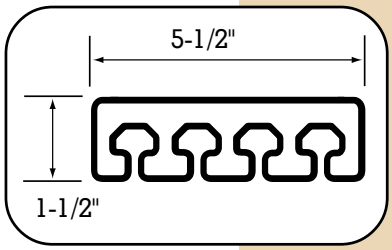


Fig. 10

SPAN REQUIREMENTS

		90° Angle	30° Angle	45° Angle
Maximum Span*	Commercial	12"	10"	8"
	Residential	16"	14"	11"

* Special conditions will require an engineering inspection and/or reduced spans. Always consult local building codes.

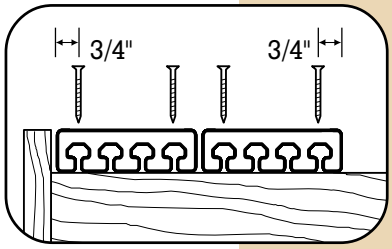


Fig. 11

INSTALLATION

- Run each screw 3/4" from the outside edge of each plank, using two screws per joist (Fig. 11).
- Planks should be gapped a minimum of 1/8" side to side.
- Leave a 1/8" gap between planks laid end to end, between house wall and planks, and between fascia board and planks.
- Butt joints must fall on a joist.
- Rip last plank as needed to fit (Fig. 12).
- To trim your deck, use TimberTech Fascia Board or End Cap. (See "Trimming A TimberTech Deck.")

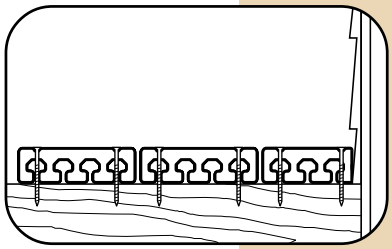


Fig. 12

Installing 5/4 Planks

COMPONENT DIMENSIONS

- 5/4 Planks (12', 16', 20' lengths; approximately 2.6 lb. per ft.) (Fig. 13).

FASTENERS

- Use #8x2" stainless steel or galvanized deck screws.
- No pre-drilling required (except in extremely cold conditions).

LAYOUT CONSIDERATIONS

PLEASE SEE DECK PLANK APPLICATIONS ON FIRST PAGE FOR MORE INFORMATION.

- Place the plank textured surface up and measure carefully. Like standard wood planks, TimberTech 5/4 Planks provide a 5-1/2" wide surface area.
- Be certain joist system is properly square.
- When decking runs parallel to house, install from the outside of the deck toward the house so that any ripped planks will be less visible.
- Staggering seams is recommended for best appearance.
- We suggest that the deck slope 1/2" for every 8' away from the house to aid water run-off.
- TimberTech's brushed surface is directional in manner. A notch has been added along one edge of each plank. When installing 2x6 Plank, 5/4 Plank or Fascia, this marked edge must be laid to the same side (always to left or right as viewed from the ends of the planks) for the entire installation. By doing this, the direction of the brushing will be the same for each board ensuring a consistently colored surface board to board. (Refer to page 9, Figure 49 and Figure 50).

SPAN REQUIREMENTS

		90° Angle	30° Angle	45° Angle
Maximum Span*	Commercial	12"	10"	8"
	Residential	16"	14"	11"

* Special conditions will require an engineering inspection and/or reduced spans. Always consult local building codes.

INSTALLATION

- Run each screw 3/4" from the outside edge of each plank, using two screws per joist (Fig. 14).
- Planks should be gapped a minimum of 1/8" side to side.
- Leave a 1/8" gap between planks laid end to end, between house wall and planks, and between fascia board and planks.
- Butt joints must fall on a joist.
- Rip last plank as needed to fit (Fig. 15).
- To trim your deck, use TimberTech Fascia Board or End Cap. (See "Trimming a TimberTech Deck.")

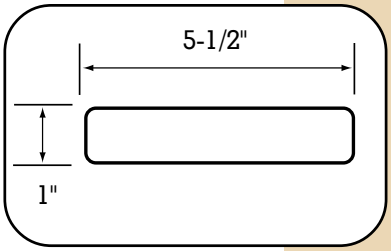


Fig. 13

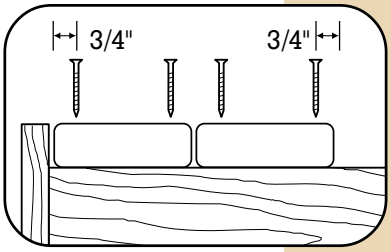


Fig. 14

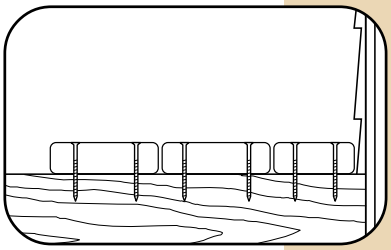


Fig. 15

Installing TimberTopper™ Deck Covers

(For recovering damaged wood decks)

COMPONENT DIMENSIONS

- TimberTopper (12', 16' lengths; approximately 1.2 lb. per ft.) (Fig. 16)

INSTALLATION

- Replace any warped deck planks with new wood planks.
- Cut TimberTopper to length and place over existing deck planks.
- **TimberTopper must be installed parallel to (running with) the existing deck planks.**
- **TimberTopper should not overlap the edges of the underlying planks (Fig. 17).**
- A gap of at least 1/8" side to side and end to end is necessary to allow for expansion and contraction.
- Fasten every 16" with two #8, 1-1/4" stainless steel or galvanized deck screws 3/4" from the outside edge of the TimberTopper
- **TimberTopper should NEVER be used as deck planks.**
- **TimberTopper will follow the contour of underlying planks and will not even out warped boards.**

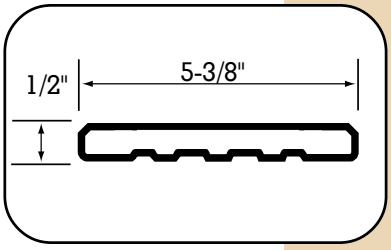


Fig. 16

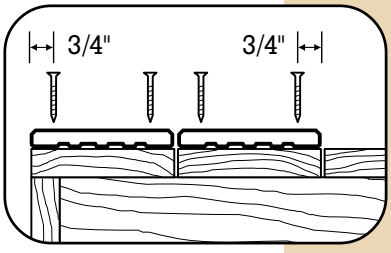


Fig. 17

Step-Building Instructions

STAIRS WITH TONGUE-AND-GROOVE PLANKS (USING STARTER STRIP)

- Make sure that the stringer step is a full 13-1/2" wide.
- **Maximum joist spacing for stairs is 12" on center–make sure there is at least one joist for support in the middle of the stair span.**
- Attach a TimberTech Fascia Board riser to the front of the bottom step and fasten into place, using two #8, 2-1/2" stainless steel or galvanized deck screws at each joist stringer. (Make sure that you have cut the Fascia Board 1-1/2" higher than the step.)
- Place a TimberTech Starter Strip against the riser board (Fig.18) and fasten into place, using one #8, 2-1/2" stainless steel or galvanized deck screw per joist.
- Using hand pressure only, slip the "tongue" of the first stair tread plank into the Starter Strip "groove"–there will be a gap of up to 1/4" between the stair tread plank and the Starter Strip. You will be able to see part and/or all of the weephole. **Do not force the stair tread plank into the Starter Strip.**
- Fasten the first stair tread plank into place, using one #8, 2-1/2" stainless steel or galvanized deck screw per stair stringer.
- Fasten the remaining stair tread plank(s) into place as you did the first stair tread plank (Fig. 19). There will be a gap of up to 1/4" between the stair tread planks. You will be able to see part and/or all of the weephole. **Do not force the stair tread planks together.**
- To create the next step, place the riser board directly on top of the last stair tread plank installed for the previous step (Fig. 20).
- Fasten riser board into place and repeat process for additional steps.

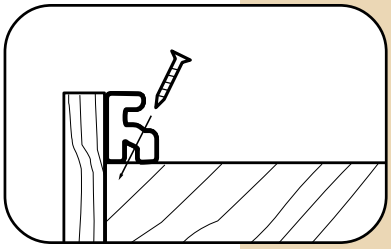


Fig. 18

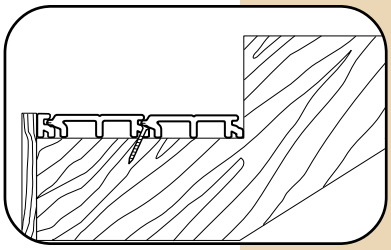


Fig. 19

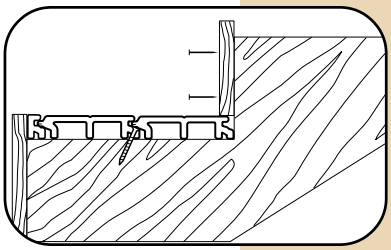


Fig. 20

STAIRS WITH TONGUE-AND-GROOVE PLANKS (NOT USING STARTER STRIP) There will be exposed fasteners on the first stair tread of each step.

- Make sure that the stringer step is a full 11-1/2" wide.
- **Maximum joist spacing for stairs is 12" on center–make sure there is at least one joist for support in the middle of the stair span.**
- Attach a TimberTech Fascia Board riser to the front of the bottom step and fasten into place, using two #8, 2-1/2" stainless steel or galvanized deck screws at each stair stringer. (Make sure that you have cut the Fascia Board 1-1/8" higher than the step.)
- Cut the "tongue"-side leg off the first stair tread plank. Place the first stair tread edge (the side from which the "tongue"-side leg has been cut) on top of the Fascia Board and fasten into place, using #8, 2-1/2" stainless steel or galvanized deck screws through the stair plank and into the Fascia Board (line up one screw with each stair stringer) (Fig. 21)
- Fasten the first stair tread plank into place through the "groove" side, using one #8, 2-1/2" stainless steel or galvanized deck screw at each stair stringer.
- Fasten the remaining stair tread plank(s) into place by slipping the "tongue" of the stair tread plank into the "groove" of the previous stair tread plank (Fig. 22). There will be a gap of up to 1/4" between the stair tread planks. You will be able to see part and/or all of the weephole. **Do not force the stair tread planks together.**
- To create the next step, place the riser board directly on top of the last stair tread plank installed for the previous step (Fig. 23).
- Fasten riser board into place and repeat process for additional steps.

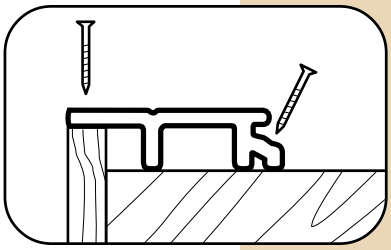


Fig. 21

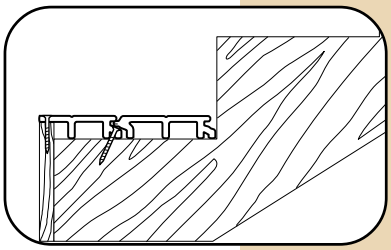


Fig. 22

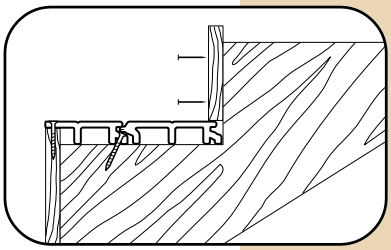


Fig. 23

STAIRS WITH 2x6 PLANKS OR 5/4 PLANKS WITH RISER BOARD*

- Make sure that the stringer step is **at least the width of two full TimberTech 2x6 or 5/4 Planks, plus a minimum 1/8" gap between planks.**
- **Maximum joist spacing for stairs is 12" on center — make sure there is at least one joist for support in the middle of the stair span.**
- Attach a TimberTech Fascia Board riser to the front of the bottom step. (Make sure you have cut this material 1-1/2" higher than the step.)
- If using 2x6 Planks, use two #8, 3" stainless steel or galvanized deck screws per joist, fasten the 2x6 Plank into place, placing the screws 3/4" from the outside of the plank (Fig. 24).
- If using TimberTech 5/4 Planks, use two #8, 2" stainless steel or galvanized deck screws per joist to fasten the 5/4 Plank into place, placing the screws 1/4" from the outside of the plank.
- Fasten the remaining planks into place, leaving a minimum 1/8" gap to complete the step (Fig. 25).
- To create the next step, place the riser board directly on top of the last plank installed for the previous step (Fig. 25).
- Repeat the process for additional steps.

*TimberTech does not recommend installing 2x6 Planks or 5/4 Planks for steps without a riser board.

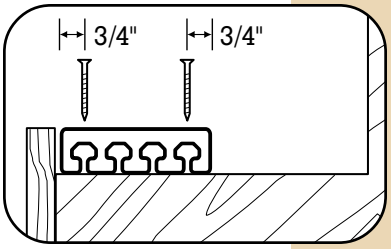


Fig. 24

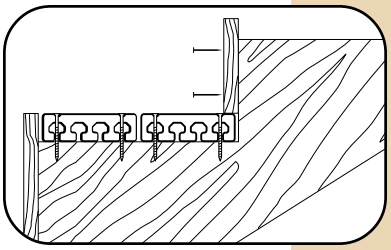


Fig. 25

Railing Installation Instructions

COMPONENT DIMENSIONS

- Top Rail (13' length; approximately 2.8 lb. per ft.) (Fig. 26)
- Side Rail (13' length; approximately 1.8 lb. per ft.) (Fig. 27)
- Baluster (12' length; approximately 0.81 lb. per ft.) (Fig. 28)
- Post Clad for covering 4x4 posts (optional) (12' length; approximately 0.60 lb. per ft.) (Fig. 29) – 4 pieces per post

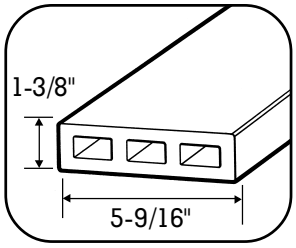


Fig. 26

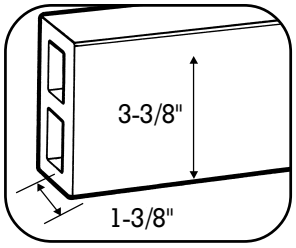


Fig. 27

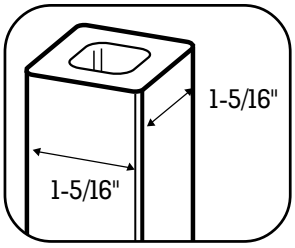


Fig. 28

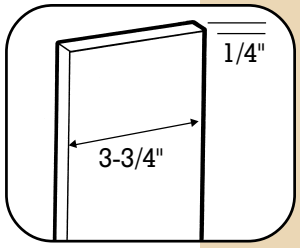


Fig. 29

INSTALLING TIMBERTECH POST CLAD

- If using TimberTech Post Clad, cut the Post Clad to length as needed and fasten to all four sides of each 4x4 post (starting on one side and working around) offsetting each piece, using either finish or brad nails. Allow a 1/16" gap at the top and bottom of the post for expansion and contraction. Use two nails at the top then again at 12" intervals. Finish with two nails at the bottom (Fig. 31).

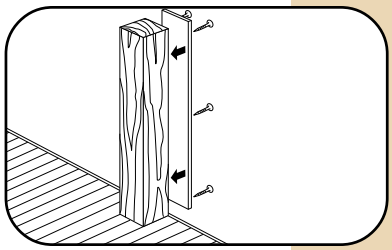


Fig. 30

INSTALLING TIMBERTECH TOP AND SIDE RAIL

MAXIMUM SPAN BETWEEN 4x4 POSTS SHOULD BE 6'.

- Before installing the TimberTech Top Rail, be sure to square and level all 4x4 posts.
- Overhang the Top Rail on the outside of the 4x4 (outside of deck) to allow room for the TimberTech Side Rail (when installed) to be flush with the side of the Top Rail (Fig. 31).
- Pre-drill and place two #8, 2-1/2" stainless steel or galvanized deck screws through the Top Rail into each 4x4 post (Fig. 31). There should be a minimum 1/16" gap between each Top Rail to allow for expansion and contraction.

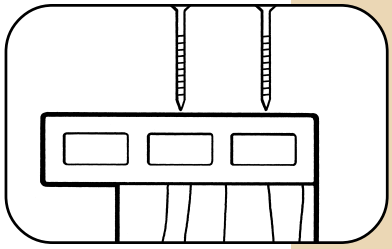


Fig. 31

INSTALLING TIMBERTECH TOP AND SIDE RAIL (continued)

- **For a seamless Top Rail** between three 4x4 posts, use one Top Rail. Pre-drill and fasten into place, using two #8, 2-1/2" stainless steel or galvanized deck screws at each 4x4 post.
- Place one Side Rail perpendicular to the Top Rail at each Rail section, making sure that the top of the Side Rail is flush with the side of the Top Rail (Fig. 32).
- Pre-drill and place two #8, 2-1/2" stainless steel or galvanized deck screws 1" from the end of each Side Rail and fasten into each 4x4 post – be sure to level and square the top Side Rail. There should be a minimum 1/16" gap between each Side Rail to allow for expansion and contraction (Fig.32).
- Once the top Side Rail has been installed, place one Side Rail at the bottom of each Rail section (Fig. 33). Pre-drill and place two #8, 2-1/2" stainless steel or galvanized deck screws 1" from the end of each Side Rail and fasten into each 4x4 post- be sure to level and square the bottom Side Rail. **There should be no more than 2" from the deck surface to the bottom edge of the Side Rail* (Fig.33).** There should be a minimum 1/16" gap between each Side Rail to allow for expansion and contraction.
- Block each 6' Rail section at the bottom at least once for support (Fig. 33).

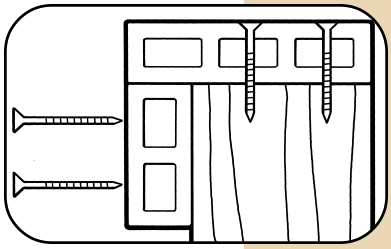


Fig. 32

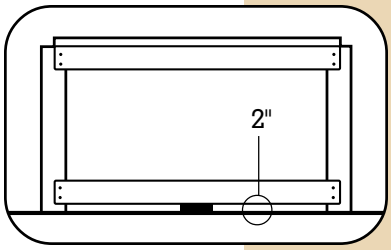


Fig. 33

INSTALLING TIMBERTECH BALUSTERS

- Mark on center 1" from the top and 2" from the bottom of each TimberTech Baluster for screw placement. **The screws must be installed 1" from the top and 2" from the bottom of each Baluster to ensure proper placement into the top and bottom TimberTech Side Rail (Fig. 34).**
- Pre-drill at each mark and screw each Baluster into place into the top and bottom Side Rail, using a #8, 2-1/2" stainless steel or galvanized deck screw.
- Balusters must be installed no more than 3" apart* (Fig. 35). Use a level and a square to ensure proper alignment of each Baluster. *Note: A piece of scrap Side Rail cut 3" wide can be used as a spacer when installing Balusters.*
- An additional top and bottom Side Rail can be installed on the inside (deck side) of the Railing for additional support (Fig. 36).
- TimberTech Post Clad can be used to trim the ends of the TimberTech Top and Side Rail.
- The Top Rail can be miter-cut at a 45° angle at the end of a Rail section and matched with another Top Rail to create a seamless Rail section end. Allow the Top Rail 45° cut to overhang the 4x4 post and match another Top Rail at the cut and secure it into the 4x4 post (Fig. 37).

* Always consult local building codes.

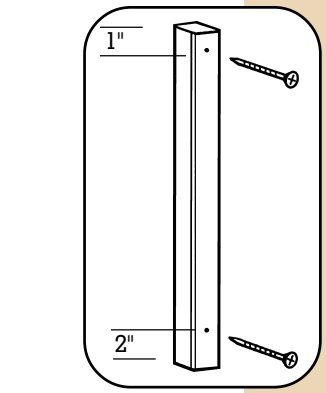


Fig. 34

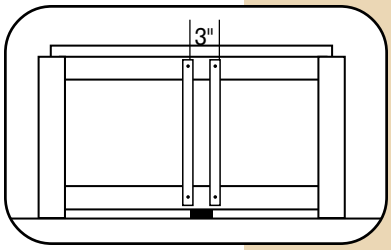


Fig. 35

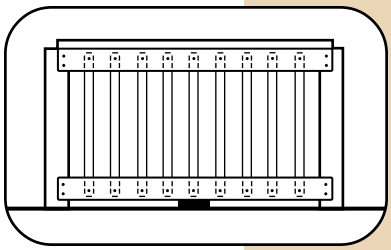


Fig. 36

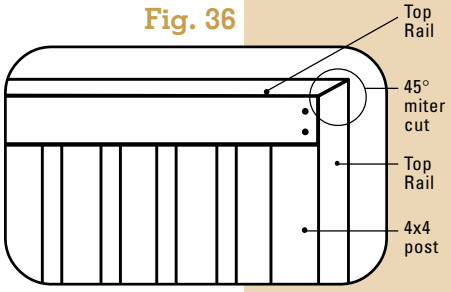


Fig. 37

Installing TimberTech Railing on Stairs

MAXIMUM SPAN BETWEEN 4x4 POSTS SHOULD BE 6'.

- Before installing the TimberTech Top Rail, be sure to square and level all 4x4 posts.
- Overhang the Top Rail on the outside of the 4x4 (outside the Rail) to allow room for the TimberTech Side Rail (when installed) to be flush with the side of the Top Rail (Fig. 38).
- Pre-drill and place two #8, 2-1/2" stainless steel or galvanized deck screws through the Top Rail into each 4x4 post (Fig. 38). There should be a minimum 1/16" gap between each Top Rail to allow for expansion and contraction.
- Place one Side Rail perpendicular to the Top Rail at each Rail section, making sure that the top of the Side Rail is flush with the side of the Top Rail (Fig. 39).
- Pre-drill and place two #8, 2-1/2" stainless steel or galvanized deck screws 1" from the end of each Side Rail and fasten into each 4x4 post (Fig. 39).
- Once the top Side Rail has been installed, place one Side Rail at the bottom of each Rail section (Fig. 40). Pre-drill and place two #8, 2-1/2" stainless steel or galvanized deck screws 1" from the end of each Side Rail and fasten into each 4x4 post- be sure to level and square the bottom Side Rail. **There should be no more than 2" from the leading edge of the step surface to the bottom edge of the Side Rail* (Fig.40).**
- Mark on center 1" from the top and 2" from the bottom of each TimberTech Baluster for screw placement. **The screws *must* be installed 1" from the top and 2" from the bottom of each Baluster to ensure proper placement into the top and bottom Side Rail (Fig. 41).**
- Pre-drill at each mark and screw each Baluster into place into the top and bottom Side Rail, using a #8, 2-1/2" stainless steel or galvanized deck screw.
- Balusters must be installed no more than 3" apart* (Fig. 42). Use a level and a square to ensure proper alignment of each Baluster. *Note: A piece of scrap Side Rail cut 3" wide can be used as a spacer when installing Balusters.*
- **A Side Rail must be installed on top of the Top Rail used on the steps to allow a grip area.*** Pre-drill and place two #8, 3" stainless steel or galvanized deck screws 1" from each end and in the middle of the Side Rail and fasten into the Top Rail.
- An additional top and bottom Side Rail can be installed on the inside (deck side) of the Railing for additional support (Fig. 43).
- TimberTech Post Clad can be used to trim the ends of the Top and Side Rail.
- The Top Rail can be miter-cut at a 45° angle at the end of a Rail section and matched with another Top Rail to create a seamless Rail section end. Allow the Top Rail 45° cut to overhang the 4x4 post and match another Top Rail at the cut and secure it into the 4x4 post (Fig. 44).

* Always consult local building codes.

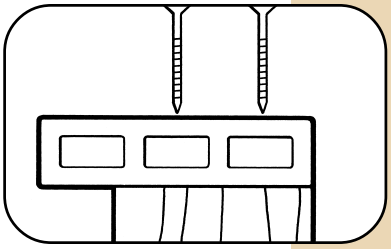


Fig. 38

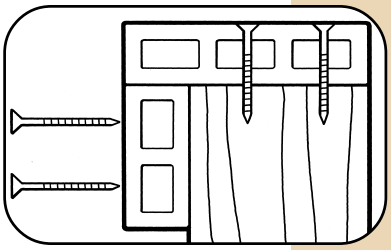


Fig. 39

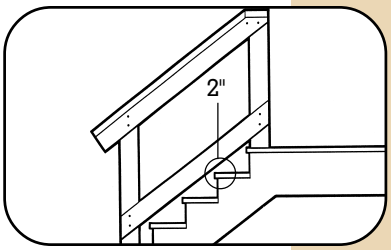


Fig. 40

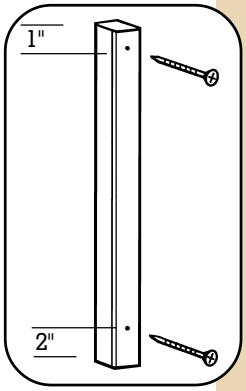


Fig. 41

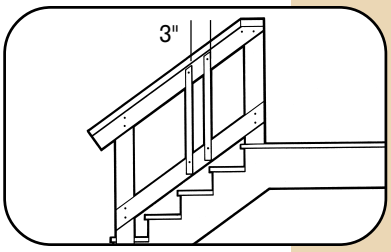


Fig. 42

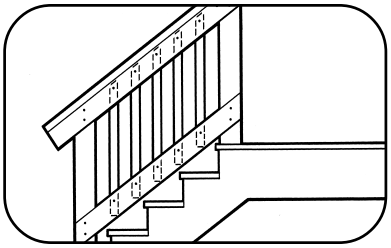


Fig. 43

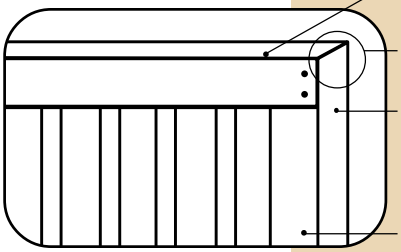


Fig. 44

Trimming A TimberTech Deck

COMPONENT DIMENSIONS

- TimberTech Fascia Board (8', 12' lengths; 10" approximately 2.1 lb. per ft.; 12" approximately 2.5 lb. per ft.)
- TimberTech End Cap (1-1/2" x 5/8"; 6' length)

WITH TIMBERTECH FASCIA BOARD

- If needed, use guides on back to rip to width as shown (Fig. 45 and Fig. 46).
- Fasten 2" from the top and bottom every 16" as shown, using #8, 1-1/2" stainless steel or galvanized deck screws, leaving a 1/8" gap between TimberTech Fascia laid end to end and between house wall and Fascia (Fig. 47).
- TimberTechs brushed surface is directional in manner. A shaped notch has been added to one long edge of each plank. When installing 2x6 Plank, 5/4 Plank or Fascia, this marked edge must be laid to the same side (always to left or right as viewed from the ends of the planks) for the entire installation. By doing this, the direction of the brushing will be the same for each board ensuring a consistently colored surface board to board.
- **TimberTech Fascia Board is for vertical applications only and should NEVER be used as deck planks.**

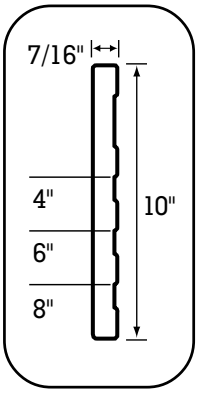


Fig. 45

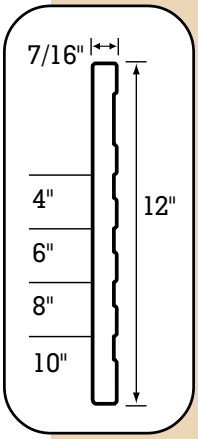


Fig. 46

WITH TIMBERTECH END CAP

- Pre-drill holes in both TimberTech End Cap and plank legs as shown (Fig. 48).
- Fasten the End Cap with one #8, 1" screw per foot.

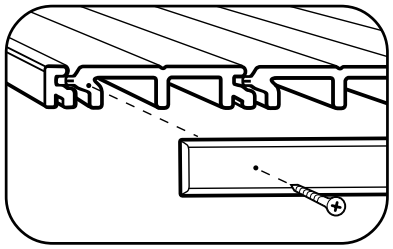


Fig. 48

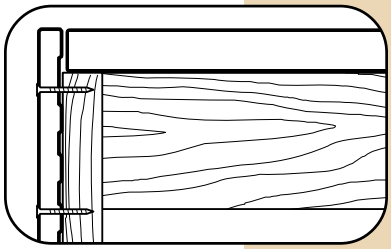
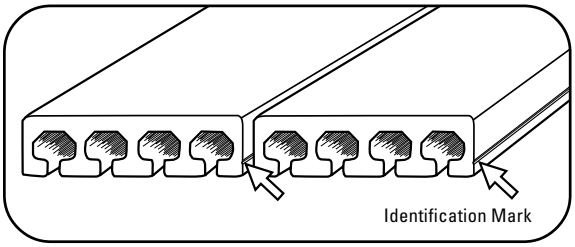


Fig. 47

Directional Brushing of Surfaces for 2x6 and 5/4 Planks

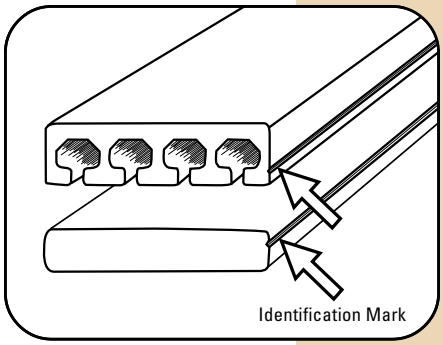
- TimberTech's brushed surface is implemented in a directional manner as the product goes through the manufacturing process. This directional brushing may cause a slightly different color reflection for the deck surfaces when viewed from above based on the direction of the brushing.
- To ensure the highest quality and consistency on a TimberTech deck surface, deck planks should be installed in a manner that the direction of the brushed surface is same for all planks. To enable this, an Identification Marker, a V-shaped notch, has been added along the entire edge of one side of the 2x6 and 5/4 plank products.
- When installing the 2x6 plank or 5/4 plank it is recommended that the edges with the Identification Marker be placed on the same side for the entire deck installation. By doing this, the direction of the brushing will be the same for each board ensuring a consistently colored surface board to board.

Note: This is not an issue for Tongue and Groove planks as the T&G system ensures the product is installed such that the brushed surface is in the same direction.



Install all decking with Identification Marks on the same side.

Fig. 49



2x6 Plank and 5/4 Plank with Identification Marker

Fig. 50

Maintenance

TimberTech highly recommends periodic cleaning of your TimberTech deck to help maintain the beauty of the product. To help prevent the buildup of pollen and other airborne pollutants that can sustain mold and mildew growth, wash down your TimberTech deck periodically with a hose.

Cleaning

Most deck-cleaning products will work on TimberTech. For best results, cleaners containing any of the following as an active ingredient are recommended:

• Phosphoric Acid • Oxalic Acid • Hydrochloric Acid

ICE AND SNOW

If you reside in a cold weather climate where ice and snow periodically come in contact with your deck, use calcium chloride or rock salt to melt the ice and snow.

POWER WASHING

Power washing will enhance results when cleaning your TimberTech deck. While you may power wash your TimberTech Deck, you should use caution. Most rental units available at local hardware stores and home centers are 1500-2500 psi machines that deliver 2-3 gallons per minute and have spray wands with a fan tip. These machines will normally do a nice job on wood and will be adequate for the TimberTech surface with the proper cleaning product. Spray will need to be consistent with the grain of the product.

Stain Removal

MOLD & MILDEW STAINS

Mold and mildew stains may occur where moisture, shading, pollens and/or dirt are present. Mold and mildew need a food source to grow, which can be grass, pollens, dirt, debris, wood and wood resins. Any horizontal exterior surface presents an excellent environment for mold and mildew.

Maintaining a clean, dry deck surface is the best method for combating mold and mildew. Ensure that water drains effectively from your deck. Keep weep holes clear and unclogged on TimberTech Tongue-and-Groove decks. For TimberTech 5/4 Plank and 2x6 Plank decks, be sure that gaps exist between boards to allow drainage.

TO CLEAN MOLD AND MILDEW

Use a cleaner that contains Sodium Hypochlorite. Follow manufacturer application instructions. For severe stains, this cleaner should be used at full strength. Wet surface first, apply generously prepared cleaner. Let cleaner remain on surface for 5-10 minutes. Use a stiff bristled brush or broom to clean heavily stained surfaces, following the wood grain finish of the plank. Rinse with fresh water.

SPOT STAINS

Oil Eater® Cleaner and Degreaser is very effective against oil, grease and other stains. For extra heavy oil and grease stains or other specific stain types, check with your local lumberyards, hardware stores or home centers for cleaners applicable to a specific stain type.

If stains have set, you may want to use fine sandpaper and sand lightly, following the wood grain finish of the plank. The sanded area will weather back to the weathered color in approximately 8-10 weeks.

RUST, GROUND-IN DIRT AND GRIME

Use a cleaner that contains Phosphoric Acid. This type of cleaner is available at home centers, lumberyards, or hardware stores. Follow manufacturer application instructions. If stains have set, you may want to use fine sandpaper and sand lightly, following the wood grain finish of the plank. The sanded area will weather back to the weathered color in approximately 8-10 weeks.

SCRATCHES, NICKS, CUTS AND GROOVES

For all products except TimberTech Railing, scratches, nicks, cuts and grooves can be eliminated by using a wire brush. Brushing will need to be consistent with the grain of the product.

TANIN STAINS

Like any wood based product, TimberTech may experience a naturally occurring process called extractive bleeding. This process may cause a temporary discoloration that will weather away in 8-10 weeks. To clean these areas on your TimberTech deck, we would recommend using Dekswood®, made by The Flood Company. You can obtain more information by visiting their web-site at HtmlResAnchor www.floodco.com. This type of cleaner is available at your local home center or hardware store.

Painting/Staining

Although not required, TimberTech may be painted or stained.

- **Wait approximately 8-10 weeks or until TimberTech has completed its weathering process before painting or staining.**
- For best results, use a high-quality oil based paint or solid-color stain such as Penofin Stains/Sealers.
- Be sure paint or stain does not clog drain holes of TimberTech Tongue-And-Groove planks.
- Once TimberTech is painted or stained, subsequent applications will be necessary to maintain appearance. TimberTech Limited cannot be responsible for the performance of stains or paints applied to any TimberTech Engineered Decking Systems product.
- Clean your TimberTech decking surface before applying paint or stain. NEVER paint or stain over surfaces that may contain dirt, mold, mildew.
- Apply the paint or stain following the manufacturer's application instructions.
- Stains that are recommended to use by TimberTech are:
  - Penofin® Knotwood (www.penofin.com)
  - Weatherall™ UV Guard Deck and Fence Coating (www.weatherall.com)
  - Weatherall™ UV Guard Exterior Wood Finish (www.weatherall.com)
- Sealers that are recommended to use by TimberTech are:
  - Penofin® Sealers (www.penofin.com)

Exposure To Weather

- TimberTech Natural will weather to a natural driftwood gray color (light brown in hot, dry climates) in approximately 8-10 weeks.
- There may be a slight color variation from board to board due to the fact that TimberTech is a wood product.
- There may be a slight difference in texture from board to board due to the manufacturing process.
- Shaded areas will weather at a slower rate.
- When TimberTech is used in conjunction with a screened-in porch application, the weathering effect from ultraviolet rays will be cut down approximately 50% because of the screen. We recommend the use of our color products for this type of application.

If Natural TimberTech is used, we recommend the following:

- Weather the deck boards for the screened-in area prior to installation.
- The use of a tannin blocking stain or sealer such as Knotwood by Penofin®.

TimberTech Customer: Please complete this card and mail to TimberTech Limited at the address below.

This information will help us better serve your needs. Please return warranty card within 30 days of receipt of product. TimberTech Limited must have a warranty card on file for your TimberTech purchase before any claim can be processed. Please make a copy of this warranty document for your records.

Name:

Street Address:

City: State: ZIP:

Where Did You Purchase TimberTech?

Application:

How Did You First Learn About TimberTech?

Other Comments:

Limited Warranty

TimberTech Engineered Decking Systems products are made exclusively from a technologically advanced composite material especially designed to provide years of virtually maintenance-free use and enjoyment. That's because TimberTech Engineered Decking Systems products are guaranteed against:

- **Termites**
- **Checking**
- **Splitting**
- **Decay**
- **Rot**
- **Splintering**

Your new TimberTech Engineered Decking Systems products will be attractive and dependable for years to come. Moreover, if you decide to sell your home, the TimberTech limited warranty is fully transferable to a new owner. For specific details concerning your TimberTech limited warranty, please see below.

TimberTech Limited (hereinafter "Manufacturer") warrants that each TimberTech Engineered Decking Systems product will not rot, decay, split, check, splinter or suffer termite or fungal damage for a period of ten (10) years from the date of the original consumer purchase from an authorized TimberTech dealer. Each purchaser of a TimberTech Engineered Decking Systems product is solely responsible for determining the effectiveness, suitability and safety of any particular use or application of the product. Building code regulations vary from area to area. Each TimberTech purchaser should consult local building and safety codes for specific requirements. The Warranty provided herein is expressly conditioned upon the use of the product in connection with a residential or commercial structure and its installation in accordance with Manufacturer's written guidelines.

Manufacturer's liability under this Warranty is limited solely and exclusively to replacement of defective TimberTech Engineered Decking Systems products, and in no event shall Manufacturer be liable for labor, installation, reinstallation, freight, taxes or any other charge related to defective product. Manufacturer shall not be liable for any indirect, incidental, punitive, consequential, exemplary or other damages of any kind whatsoever, whether any such claim is based upon theories of contract, warranty, negligence, tort, strict liability or otherwise. To file a claim under this Warranty, original purchaser or subsequent owner must send proof of purchase, a picture of the defective product and a written description to: TimberTech Limited, 894 Prairie Avenue, Wilmington, OH 45177. Manufacturer reserves the right to investigate any claim hereunder. Upon verification of a claim, Manufacturer shall arrange for the delivery of replacement product.

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

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

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

Local Dealer

TimberTech® Engineered Decking Systems
Less Work. More Life.™

TimberTech Limited
894 Prairie Avenue
Wilmington, Ohio 45177
1-800-307-7780
www.timbertech.com

A Crane Plastics Company