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TimberTech AZEK® Decking & Rim Joist Covers should be installed using the same good building principals used to install wood or composite decking and in accordance with the local building codes and the installation guidelines included below. AZEK® Building Products Inc. accepts no liability or responsibility for the improper installation of this product. TimberTech AZEK Decking & Rim Joist Covers may not be suitable for every application and it is the sole responsibility of the installer to be sure that TimberTech AZEK Decking & Rim Joist Covers is fit for the intended use. Since all installations are unique, it is also the installer's responsibility to determine specific requirements for each Deck application. AZEK Building Products recommends that all applications be reviewed by a licensed architect, engineer or local building official before installation. To get more information visit TimberTech.nz

Tools Required

TimberTech AZEK Decking & Rim Joist Covers can be installed with a minimum number of readily available tools. Many other tools are available that can be used for installation. All tools should be used per applicable manufacturers' instructions. Some of the basic tool requirements:

- Cordless Driver
- Chalk Line
- Tape Measure
- Jig Saw
- Carpenter Square
- Spacing Tools
- Miter Saw
- Safety Glasses

Use the jigsaw to cut around obstructions such as posts. For best results a miter saw with a fine-toothed, carbide-tipped finish trim blade (30,5 cm (12")-60 tooth minimum) works well for cutting. For a power miter or compound power miter saw a fine finish alternate top bevel blade is also recommended. When working with AZEK products be sure to wear proper clothing and safety equipment. Safety glasses should be used during the entire installation process. Do not use any cordless saws.

STOP! Read this section before you start!

Always make sure to visit TimberTech.nz to ensure you are viewing the most current installation instructions, care and cleaning, technical information and more.

TimberTech AZEK Decking

AZEK does not recommend the use of rubber or vinyl products (welcome mats, planters, etc.) on deck boards. A reaction can occur that causes discoloration of the decking under the rubber/vinyl product. This is a common caution for polymer decking products.

Do NOT nail AZEK Deck boards.

Cutting or drilling metal should not be done on AZEK Deck boards as metal shavings may be come hot and embed themselves into the deck boards.

Always be sure to check and cut the factory cut ends of boards to ensure they are square.

Walking Surface

AZEK deck boards need to be installed embossed side up.

Static Electricity

The buildup or generation of static electricity is a naturally occurring phenomenon in many plastic based products such as carpeting, upholstery, and clothing, and can occur on alternative decking under certain environmental conditions. Static electricity is not a defect and can occur naturally.

Cantilevering

For best results, don't cantilever over 13 mm (1/2").

Routing

AZEK Deck should not be routed with the exception of the start/stop boards (see page 6 step 8).

Colour and Grain Patterns

AZEK Deck is designed to mimic the look of real wood, and like real wood, there will be a slight difference in colour and grain pattern from board to board. This is intentional and part of the manufacturing process, giving AZEK Deck the most realistic and wood-like appearance possible. This variation is purely aesthetic and does not or will not affect the performance of the product.

Colour and Temperature

Although AZEK Deck products are cooler to the touch than many other deck board products in similar colours, all decking products will get hot in the sun. Additionally, the darker the decking colour, the hotter it will feel.

Roof Tops

In areas with obstructed airflow such as roofs and on-grade applications, a minimum of 38 mm (1-1/2") sleeper system supported by and connected to the substructure over which the deck is built is required.

STOP! Read this section before you start! (continued)

Always make sure to visit TimberTech.nz to ensure you are viewing the most current installation instructions, care and cleaning, technical information and more.

DO NOT attach deck boards to a floating sub-structure which is not mechanically fastened frequently and sufficiently to the building and roof deck.

Note

AZEK Deck is NOT intended for use as columns, support posts, beams, joist stringers, guard railing or other primary load-bearing members. AZEK must be supported by a code-compliant substructure. While AZEK products are great for deck re-planking (removing old deck surface boards and installing AZEK on code-compliant substructure), AZEK Deck Boards CANNOT be installed on top of an existing deck.

Failure to install TimberTech AZEK Decking products in accordance with applicable building codes and this Installation Guide may lead to personal injury, affect deck system performance and void the product warranty.

Roof Top Decks

When considering AZEK® Deck in a roof top application, it is imperative that the framing/sub-structure to which the decking will be attached is securely attached to the building or roof deck using suitable mechanical fasteners. Do not use adhesives to attach framing to the building or roof surface, and NEVER ATTACH DECK BOARDS TO A FLOATING FRAME/SUB-STRUCTURE. Frequently check tops of sub-structure framing members to ensure that they are in plane, as AZEK® Decking will conform to the contour of the framing members to which it is attached. It may be necessary to shim or plane framing members due to thickness variations in lumber, or variations in the surface to which the framing/sub-structure is attached. Securely attaching rigid blocking between framing

members at frequent intervals should also be incorporated to help limit sub-structure movement. Proper drainage and air flow should also be considered, with a minimum of 38 mm (1 1/2") sleeper height necessary and deck boards must be attached to the properly secured sub-structure with a minimum of a 3 mm (1/8") gap between deck boards. It is the installer's responsibility to determine if AZEK® Deck is suitable for a specific roof top application. The AZEK Company recommends that all applications be reviewed by a licensed architect, engineer, or local building official before installation. If you have any questions or need further assistance, please call AZEK Customer Service at 1-877-275-2935 or visit our website at www.azek.com.

Extreme Heat Warning

Be aware of excessive heat on the surface of AZEK products from external sources, such as but not limited to, fire or reflection of sunlight from energy-efficient window products. Low-emissivity (Low-E) glass can potentially harm AZEK products. Low-E glass is designed to prevent passive heat gain within a structure and can cause unusual heat build-up on exterior surfaces. This extreme elevation of surface temperatures, which exceeds that of normal exposure, can possibly cause AZEK products to melt, sag, warp, discolour, increase expansion/contraction, and accelerate weathering. Current or potential AZEK customers that have concerns about possible damage by Low-E glass should contact the manufacturer of the product which contains Low-E glass for a solution to reduce or eliminate the effects of reflected sunlight.

Metamerism

Metamerism is the phenomenon wherein two coloured samples will appear to be of the same shade under one light source but will appear to be different shades under a second source. When installing AZEK deck boards at different angles, metamerism may make the boards installed at one angle appear to be of a different shade than the deck boards installed at the other angle, depending on the lighting and the angle which the deck is viewed. This is a natural phenomenon, not a defect, and can occur even when the deck boards are cut from the same boards or come from the same unit. Metamerism is an aesthetic issue and not a performance or product warranty issue.

⚠ Excessive Construction Debris

It is important during construction, the deck's surface stay clear from excessive build-up of dirt, sand, and dust from tile, concrete, landscape blocks, or any other masonry products. If these materials are not removed immediately, the deck surface will become difficult to clean and can potentially damage the deck's surface finish.

Do not use AZEK Deck as a work surface.

When installing AZEK Deck on a new home, best practice is to install after all other construction (siding, roofing, painting, etc.) is completed, otherwise permanent damage may occur.

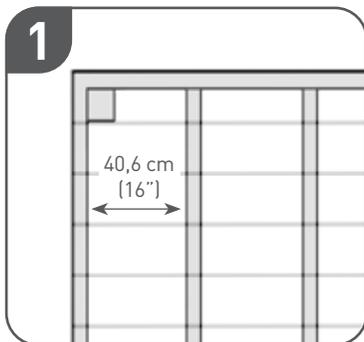
If a build-up does occur please refer to the Care and Cleaning section in AZEK's installation guide or website, AZEK.com.

IMPORTANT: Do not allow airborne dust from concrete, landscape blocks, or any masonry product to accumulate on the AZEK Deck, Porch, Rim Joist Covers, & Riser surface as it may damage the surface of the deck. Do not cut any product on or near AZEK Deck, Porch, & Rim Joist Covers.

Installation Preparation

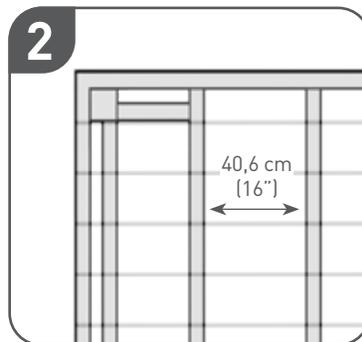
Follow these guidelines for best deck installation:

- AZEK Deck Boards are one-sided products. Deck Boards are to be installed with the grain side up for the walking surface.
- As joists are installed, run string line frequently to ensure that the tops of the joists are in plane, as AZEK Decking will conform to the contour of the joists to which it is attached. It may be necessary to shim or plane joists due to size variations in lumber. Be sure to sort and exclude any extremely crowned joists/lumber material.
- Prior to installation, check to make sure all joists are level, structurally sound, and there are no nails or screws protruding.
- Proper joist spacing is required for proper installation. Joist spacing should never exceed 40,6 cm (16") on centre. For a more rigid feel, 30,5 cm (12") may be preferred.
- Install solid wood blocking between each joist, placed in rows at maximum every 1,22 m - 1,83 m (4' - 6') within the structure using exterior grade screws. Solid blocking will help reduce up or down movement and/or twisting of joists. Limiting joist movement can help reduce excessive gapping and also ensure a more uniform finished surface of the AZEK Deck.



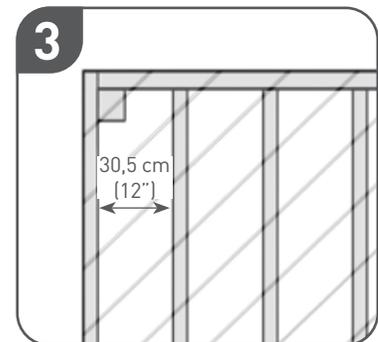
1 40,6 cm (16") BASIC INSTALLATION SUBSTRUCTURE

40,6 cm (16") on centre maximum joists. (30,5 cm (12") on centre for commercial applications)



2 PICTURE FRAME INSTALLATION SUBSTRUCTURE

40,6 cm (16") on centre maximum joists plus additional support for picture frame structure (30,5 cm (12") on centre for commercial applications)



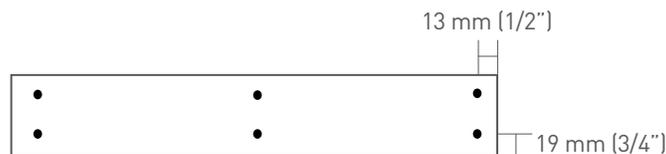
3 30,5 cm (12") DIAGONAL INSTALLATION SUBSTRUCTURE

30,5 cm (12") on centre maximum joists. More severe angles may require closer joist spacing.

Expansion and Contraction

AZEK Deck/Rim Joist Covers will have expansion and contraction with changes in temperature, unlike wood whose size will fluctuate with moisture changes. The expansion and contraction encountered may result in slight gaps, which might be noticed at the ends of boards or in splice joints. Fastening the deck boards according to the Installation Guidelines will help minimize expansion and contraction.

- Expansion/contraction is most significant where extreme temperature change may exist.
- Best practice is to cut and fasten the deck boards as soon after cutting as possible.
- For better results keep decking as cool as possible during attachment. Direct full sun exposure will increase board temperature and length. If attaching during high heat, larger gapping can be expected. Be sure to keep butt joints tight. **Do not leave a gap at butt joints, splices or miters.**
- Be sure to fasten ends of boards, splices, or abutments to building or structure securely into framing using 2 screws. Position the screws at or within 13 mm (1/2") of each board end or joint and 19 mm (3/4") from side of deck plank.
- For butt joints, be sure to trim cut factory ends to ensure squareness. Do not scarf cut butt joints.



- Provide a 3 mm (1/8") to 6 mm (1/4") side to side gap between deck boards.
- In areas with obstructed airflow such as roofs and on-grade applications, a minimum of 38 mm (1-1/2") sleeper system supported by and connected to the substructure over which the deck is built is required.
- Framing/sub-structure must be securely attached to ground footings or building structure. No floating sub-structures should be used in any application with AZEK Deck, including on grade, concrete, or in roof top applications.
- For best results, stagger splices and miters across deck surface so that all splices and miters do not break on the same joist or beam.
- To further minimize expansion and contraction, proper ventilation and air flow should be considered.
- Some area building codes may require double joisting when joining boards end to end. Double joist and/or secure double blocking is always required at butt joints when using ConcealLoc or FusionLoc fasteners. Always check with your local code authority for specific requirements before installation.
- During installation, frequently check that AZEK Deck boards are installed straight and with consistent gapping and spacing by using a string line.

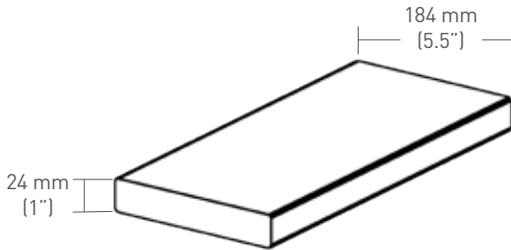
Fasteners

- Due to the durability of AZEK deck products, a high-quality fastener is recommended that meets the following specifications:
 - Stainless Steel
 - Minimum Screw Size: #7
 - Face screws to be a minimum length of 57 mm (2 1/4")
- Be sure that screws are driven to a minimum depth of 32 mm (1 1/4") into solid wood framing below the bottom of the AZEK Deck Board. This will enhance holding power and uplift resistance.
- Avoid using flathead screws. Trim head screws typically provide a better result. As always, you should try the fastener in a sample board before using on your deck.
- Be sure to install 2 screws per joist on each deck board. regardless of temperature during attachment of AZEK deck boards, be sure to keep butt joints and miters tight and place fasteners within 13 mm (1/2") of ends.
- For salt water coastal applications, we suggest using the above minimum fastener requirements in 316 stainless steel.

- AZEK TopLoc colour match stainless steel deck screws are also available. Your AZEK Building Products dealer can assist with more information on these products.
- AZEK does not recommend any fastener that is not explicitly stated in the AZEK Decking and Installation Guide. Use of any alternative fastener does not void the AZEK warranty; however, if a decking failure is caused by using one of these alternative fastening methods, any corresponding claims will be denied.
- Many of these fasteners have either not been tested, or directly affect the performance of AZEK products. As such, AZEK is not comfortable recommending them.
- Hidden Fasteners: for Square Shouldered Profiles in Harvest, Arbor, and Vintage Collections
 - Cortex®, HIDfast™, and CAMO™ fasteners are some hidden fastener systems commonly used by contractors installing AZEK Deck. Before using other types of hidden fasteners, check with the manufacturer of the fastener and/or AZEK customer service to ensure compatibility.
- **WARNING:** When installing AZEK Deck with hidden fasteners, always use a beater board against side of deck board. Do not strike deck board directly with hammer or rubber mallet or damage to the deck plank may occur.

*Cortex is a registered trademark of Handy & Harman Corporation. HIDfast is a trademark of HIDfast. CAMO is a trademark of National Nail Corporation.

Square Shouldered Deck Boards



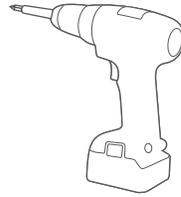
AZEK: Harvest

DECK PRODUCTS	SQUARE SHOULDERED LENGTHS		
	4,88 m [16']	6,10 m [20']	
All Deck Boards 24 mm x 184 mm [1" x 5½"]			
HARVEST COLLECTION Slate Gray	★	★	

Cortex® Hidden Fastening System Installation Instructions

Suggested Drills

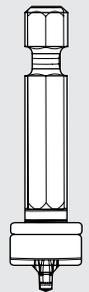
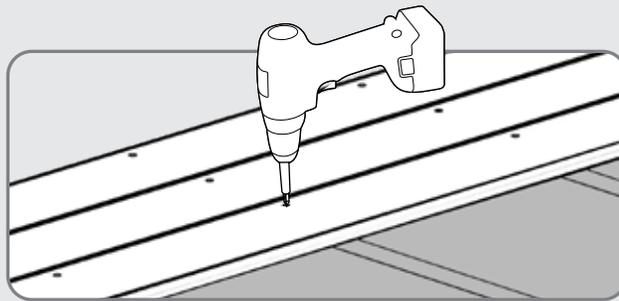
Corded or cordless (18V battery) drill with 13 mm (1/2") chuck.



1

DRIVE SCREW

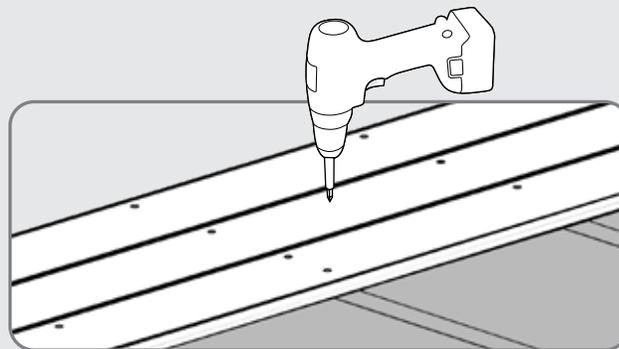
- Using Setting Tool provided, drive screw at medium or high speed until it disengages at the proper level below the deck surface.
- Drive at one continuous speed, do not slow down or toggle the drill trigger in a start/stop manner.



2

INSTALL DECK SCREWS INTO JOISTS

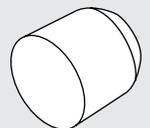
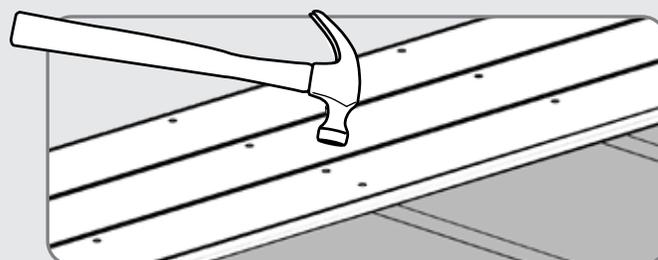
- Install two screws into decking at each joist.
- Maximum spacing between each row of screws should be 40,6 cm (16") on centre.
- Reference Page 5 for proper fastener placement.



3

INSTALL PLUG

- Place plug into cored hole and gently tap flush with deck surface.
- Always use a smooth faced hammer to avoid damaging the deck surface while setting the Cortex plug.



IMPORTANT- when installing Cortex plugs use caution to prevent damage to the AZEK deck surface.

Important Information

- The Cortex Setting Tool must be used to set the Cortex screw to the proper depth.
- The Cortex fastener must be driven perpendicular to the deck surface for proper fit and ideal finished look.
- The cored hole must be free of debris or moisture. Use a smooth plastic hammer head to set the Cortex plug.
- The interaction between the deck board, screw, and plug is essential. Use of non-Cortex Screws or non-Cortex plugs will nullify the warranty.

End and Edge Distance Minimums

- Pre-drilling is required when installing Cortex fasteners less than 25 mm (1") from the end and 25 mm (1") from the edge of a AZEK deck board.
- Pre-drilling is also required at butt joints. Common building practices dictate that you "sister" an additional joist at your butt seam connections.
- Pre-drilling should be done with a 4 mm (5/32") drill bit to create the proper pilot hole.

Restricted Cortex Uses

The AZEK Cortex System is designed for traditional elevated deck surfaces. The following applications require a different fastening method:

- Sleeper systems: Framing rests directly on the ground or roof deck.
- For attaching fascia boards: AZEK Cortex should not be used.
- Docks or decks with framing members in constant contact with saltwater.

Considerations

- Depending on environmental conditions, TimberTech AZEK Deck, Porch, Rim Joist Covers, & Riser colours may appear to lighten over time as part of the natural weathering process.
- Please be aware that excessive heat build on the surface of AZEK products from external sources such as, but not limited to, fire or reflection of sunlight can potentially lead to damage. For example, sunlight which may be reflected by low-emissivity (Low-E) glass can potentially lead to damage of exterior building products, including AZEK Deck, Porch, & Rim Joist Covers, Riser, Trim, Moulding or Railing products, due to elevation of surface temperatures which far exceed that of normal exposure of the same materials to direct sunlight. Possible damage by such reflected concentrated light may include melting, sagging, warping, distortion, surface discoloration, increased expansion or contraction, and unusual weathering.
- Static build-up is a natural occurring phenomenon that can occur with many plastic products including PVC Decking. It could occur with AZEK products under the right environmental conditions. The buildup or generation of static electricity is a naturally occurring phenomenon in many plastic based products such as carpeting, upholstery, and clothing, and can occur on alternative decking under certain environmental conditions and is not a product defect.
- Although AZEK Deck & Porch products are cooler to the touch than many other deckboard products in similar colours, all decking products will get hot in the sun. Additionally, the darker the decking colour, the hotter it will feel.
- Always remove jobsite dust, clay, dirt, mud, and other construction products from AZEK Deck, Porch, Rim Joist Covers, & Riser quickly. Do not allow construction dirt and debris to sit on the AZEK Deck/ Porch surface.
- **IMPORTANT:** Do not allow airborne dust from concrete, fiber cement siding, landscape blocks, or any masonry product to accumulate on the AZEK Deck, Porch, Rim Joist Covers, & Riser surface as it may damage the surface of the deck. Do not cut any product on or near AZEK Deck, Porch, & Rim Joist Covers.

Storage & Handling

- Store TimberTech AZEK Deck, Porch, & Rim Joist Covers on a flat and level surface.
- Store products in a cool, shady area prior to installation.
- Do not stack bundles over 8 units high.
- Always leave factory applied protective wrap, If stored outdoors, the product must be covered with non-translucent material.
- Use care when handling product with a forklift as forks can easily damage the material.
- If banding is used, use protective corners to prevent indents from the bands.
- Avoid storing TimberTech AZEK Deck, Porch, Rim Joist Covers, & Riser in areas of excessive heat.

Warranty

AZEK Building Products are made exclusively from technologically advanced materials designed to provide years of enjoyment. TimberTech AZEK Decking products are covered by a Limited Lifetime Warranty for residential applications and a 20-year Limited Warranty for commercial applications. The warranty covers defects resulting in blistering, peeling, flaking, cracking, splitting, cupping, rotting or structural defects from termites or fungal decay. TimberTech AZEK Decking products are also covered by a 50-year limited residential fade and stain warranty. Visit TimberTech.nz to view complete warranty information.

Care & Maintenance

To keep your TimberTec AZEK Deck/Porch looking its best:

- To remove rust stains, use a household cleaner such as Krud Kutter “the must for rust”.
 - Avoid the use of rubber-backed mats, tarps, pool toys, and other non-porous items on the deck/porch for any extended period of time as these items may cause discolouration to the decking surface.
 - Some products, such as sunblock and insect repellent, contain chemicals that may alter the surface of AZEK Deck, Porch, Rim Joist Covers, & Riser. Check product labels and consult with the manufacturer as to product compatibility with plastic materials, such as AZEK Deck, Porch, Rim Joist Covers, & Riser, prior to use on or near AZEK Deck/Rim Joist Covers.
 - Do not get any PVC glue or similar product on the surface of any AZEK Decking/Porch Product as it may discolour and permanently damage the surface.
 - To clean AZEK Deck/Porch, use an all-surface deck cleaner or another all-purpose cleaner such as Chomp® Gutter cleaner, Zep® 505, Simple® Green or Krud Kutter® Cleaner/Degreaser with a stiff natural fiber brush.
 - Always read the cleaning product manufacturers specific information before using any product on your AZEK Deck and follow their instructions. It is also a good idea to test the cleaner on a scrap piece or inconspicuous area of the deck to make sure it does not harm the surface.
 - **WARNING:** Keep children and pets away from cleaning products and AZEK Deck until dry.
- *Note that composite deck cleaners such as Corte Clean®, Thompson’s® Water Seal® Oxy Action, Olympic® Premium Deck Cleaner, or other cleaners specified as composite deck cleaners, in powder or liquid form, **SHOULD NOT** be used with AZEK Deck/Porch. AZEK Deck/Porch is a PVC/polymer deck plank and not a wood/plastic composite.
 - Store products under cover to maintain a clean surface.
 - If stored outdoors, they must be covered with a non-translucent material.

Ice and Snow:

- As with any walking surface, AZEK deck products may become slippery in Winter weather. Take caution when walking on the your AZEK deck in these conditions.
- For ice removal, most products containing calcium chloride can be used without damage to the deck/porch surface.
- These products may leave a white residue which can be cleaned using the cleaning guidelines above.
- Metal shovels or plastic shovels with a metal leading edge may damage the surface of AZEK Deck and are not recommended for clearing snow from deck/porch surface.

Enquiries

PH: 0800 TT DECK (88 33 25)
www.timbertech.nz
www.niagara.nz