PROSERIES™ LVF GLUE DOWN INSTALLATION INSTRUCTIONS

RESILIENT / PROSERIES LVF

GLUE DOWN LVF INSTALLATION INSTRUCTIONS

Daltile | Dal-Tile Corporation
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TECHNICAL SERVICES
1.800.933.TILE

PROSERIES™
LUXURY VINYL FLOORING
daltile

PROSERIES™ LVF GLUE DOWN INSTALLATION INSTRUCTIONS

Daltile ProSeries resilient/LVF (luxury vinyl flooring) is recommended for a variety of residential and commercial applications, including educational, institutional, healthcare, retail, office, hospitality and multifamily environments and may be installed over most properly prepared substrates, making it suitable for installation on all grade levels where moisture conditions do not exist.

SUBSTRATE & TESTING REQUIREMENTS

All substrates to receive resilient flooring shall be dry, clean, smooth, and structurally sound. They shall be free of dust, solvent, paint, wax, oil, grease, residual adhesive, adhesive removers, curing, sealing, hardening, or parting compounds, alkaline salts, excessive carbonation or laitance, mold, mildew, and other foreign materials that might prevent adhesive bond. All substrates to receive moisture sensitive floor covering must be tested for moisture.

ASBESTOS WARNING! DO NOT MECHANICALLY CHIP OR PULVERIZE EXISTING RESILIENT FLOORING, BACKING, LINING FELT, ASPHALTIC "CUTBACK" ADHESIVES OR OTHER ADHESIVES.

Previously installed resilient floor covering products and the asphaltic or cutback adhesives used to install them may contain either asbestos fibers and/or crystalline silica. Avoid creating dust. Inhalation of asbestos or crystalline dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm. Unless positively certain that the previously installed product is a non-asbestos containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content and may govern the removal and disposal of material. See current edition of the Resilient Floor Covering Institute (RFCI) publication "Recommended Work Practices for Removal of Resilient Floor Coverings" for detailed information and instructions on removing all resilient covering structures.

FLEXIBLE GLUE DOWN LVF INSTALLATION TOOLS REQUIRED FOR INSTALLATION

- Tape Measure
- Square Ruler
- Utility Knife
- Chalk Line
- Rubber Mallet
- Standard PPE
- Hand Roller
- 100 lb Roller
- U Notch Trowel 1/16"x1/32"x1/32" Dry Back
- U Notch Trowel 1/16"x 1/16"x 1/16 Attached Pad

STORAGE & HANDLING

Acclimate the flooring for a minimum of 48 hours before installation in the area where it will be installed. Conditions between 65°F and 85°F (18°C and 29°C) are required before, during and after installation. Cartons should be evenly stacked no more than five high on a flat surface and away from any heating/cooling ducts or direct sunlight.

FLOOR PREPARATION

Floor must be clean, smooth, flat and dry. Remove all foreign substances, such as wax, grease, dirt, construction marks and contaminants, and any substance or chemical that would interfere with a good bond. Avoid using sweeping compounds. Do not install over substrates that have been chemically cleaned. Wood subfloor or underlayment must be flat, not to exceed variation of 1/4 inch in 10 feet (1/2 cm in 3 m). The flatness of concrete subfloors must meet or exceed the requirements of ACI FF25. Fill all holes and cracks with a latex fortified portland cement based patching compound. Daltile recommends priming extremely porous floors with an acrylic latex primer to prevent over absorption of adhesives, for dust containment, and to ensure a better bond of the adhesive to the subfloor or underlayment.

Suitability: Regardless of the type of concrete or cement-like material used as a base for Daltile LVF flexible glue down products, the responsibility for its use or suitability rests with that product's

manufacturer or specifier and not with Daltile. Moisture Testing: It is the responsibility of the flooring contractor and the installer to test all concrete substrates, both old and new, for moisture transmission using the Calcium Chloride Moisture Test according to ASTM F1869. Moisture vapor transmission should not exceed the recommended levels of 8 lbs. or less per 1,000 sq. ft. in 24 hours. This test should be performed and documented prior to installation. Also test for relative humidity in concrete floor slabs using in-situ probes, which should be no more than 90% RH per ASTM F2170 before, during and after installation. These acceptable moisture readings are only applicable when using Daltile's ProSeries Universal Pressure-Sensitive Adhesive.

ACCEPTABLE SUBSTRATES

CONCRETE SUBSTRATES

New and existing concrete subfloors should meet the guidelines of the latest edition of ACI 302 and ASTM F 710, "Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring" available from the American Society for Testing and Materials.

• Never use liquid adhesive remover or solvent cleaners for removing old adhesive residue or other substances on the substrate; their use will cause failure.

• On or below-grade slabs must have an effective vapor retarder directly under the slab.

• Wet curing 7 days is the preferred method for curing new concrete. • Curing compounds (DO NOT USE). If present they can interfere with the bond of the adhesive to the concrete.

• Remove curing compounds 28 days after placement, so concrete can begin drying.

• Concrete floors shall be flat and smooth within the equivalent of 1/32" in 12" and 3/16" in 10 feet.

• F-Number System: Overall values of FF 36/ FL 20 may be appropriate for resilient floor coverings.

• Glossy or waxed floors may require a higher value FF 75/ FL 50 to prevent telegraphing issues. Relative Humidity (RH) – Tests must be performed per the latest edition of ASTM F 2170 - IRH (Internal Relative Humidity Test). Three tests should be conducted for areas up to 1000 SF. One additional test should be added for each additional 1000 SF. pH – Concrete floors must be tested per the latest edition of ASTM F 710.

• pH reading must not exceed 11.0.

• Readings below 7.0 and in excess of 11.0 affect resilient flooring and adhesives.

• Rinsing the surface with clear water is the best way to lower alkalinity "DAMP MOP".

LIGHTWEIGHT CONCRETE

All recommendations and guarantees as to the suitability and performance of lightweight concrete under resilient flooring are the responsibility of the lightweight concrete manufacturer. The installer of the lightweight product may be required to be authorized or certified by the manufacturer. Correct onsite mixing ratios and properly functioning pumping equipment are critical. To ensure proper mixture, slump testing is recommended.

• Lightweight aggregate concretes having densities greater than 90 lbs. per cubic foot may be acceptable under resilient flooring.

• Concrete slabs with heavy static and/or dynamic loads should be designed with higher strengths and densities to accommodate such loads.

• **Relative Humidity (RH)** – Tests must be performed per the latest edition of ASTM F 2170 or manufacturer's recommended moisture test procedures. Three internal relative humidity tests should be conducted for areas up to 1000 SF. One additional test should be added for each additional 1000 SF.

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GYPCRETE .

Prior to floor-covering installation, a moisture test of underlayment is highly recommended. When testing the underlayment for dryness, use ASTM F2659. The moisture content should not exceed 5%. If the Gyp-Crete Basic underlayment pour is greater than 2", test using ASTM F2170. That RH should not exceed 80%. Do not install floor goods until those limitations are met. If the flooring manufacturer specifies more stringent moisture limitations, they must be followed.

WOOD SUBSTRATES

• A moisture test is required using a pin-type moisture meter. The moisture content must not exceed 15%.

• Wood subfloors must be structurally sound and in compliance with local building codes.

• Double-layered APA rated plywood subfloors should be a minimum 1" total thickness, with at least 18" well-ventilated air space beneath. Insulate and protect crawl spaces with a vapor barrier.

• It is recommended that your chosen APA underlayment grade panels be designed for installation under resilient flooring and carry a written warranty covering replacement of the entire flooring system. Any failures in the performance of the underlayment panel rests with the panel manufacturer and not with Daltile.

• Underlayment panels can only correct minor deficiencies in the subfloor while providing a smooth, sound surface on which to adhere the resilient flooring.

• Always follow the underlayment manufacturer's installation instructions.

• Wood subfloors directly fastened to concrete, or sleeper construction, are not recommended.

• APA rated Sturdi-I-Floor panels are designed as combination subfloor/underlayment, but exposure to construction conditions including weather may necessitate installation of a 1/4" underlayment panel prior to resilient flooring installation.

• Daltile resilient flooring is not recommended directly over fire-retardant treated plywood or preservative treated plywood. The materials used to treat the plywood may cause problems with adhesive bonding. An additional layer of APA rated ¼" thick underlayment must be installed.

RESILIENT FLOOR COVERING

• Must be single layered, non-cushion backed, fully adhered, and smooth.

• Show no signs of moisture or alkalinity.

• Wax, polish, grease and grime must be removed.

• Cuts, cracks, gouges, dents and other irregularities in the existing floor covering must be repaired or replaced.

Note: The responsibility of determining if the existing flooring is suitable to be installed over rests solely with installer/flooring contractor on site. If there is any doubt as to suitability, the existing flooring should be removed or an acceptable underlayment installed over it. Installations over existing resilient flooring may be more susceptible to indentation.

POURED FLOORS (EPOXY, POLYMERIC, SEAMLESS)

• Must be totally cured and well bonded to the concrete.

• Must be free of any residual solvents and petroleum residue.

• Wax, polish, grease and grime must be removed.

• Cuts, cracks, gouges, dents and other irregularities in the existing floor covering must be repaired or replaced.

• Texture must be smooth.

• Show no signs of moisture or alkalinity.

STRIP – PLANK WOOD FLOORING

Due to expansion and contraction of individual boards during seasonal changes, Daltile recommends 1/4" or thicker APA rated underlayment panels be installed over subfloors if product will be glued down.

OLD ADHESIVE RESIDUE

If the adhesive residue is asphalt-based (cut-back) or any other type of adhesive is present, it must be dealt with in one of two ways:

1. It may be mechanically removed using methods such as bead blasting or scarifying.

2. A Portland-based self–leveling underlayment may be applied over it. **Check with the underlayment manufacturer for suitability, application instructions, and warranties.**

Note: **NEVER** use solvents or citrus adhesive removers to remove old adhesive residue. Solvent residue left in and on the subfloor will affect the bond between the new adhesive and the new floor covering.

VCT

Well bonded; on and above grade; in absence of waxes or sealers **CERAMIC** Well bonded and properly prepared **TERRAZZO** Well bonded and properly prepared **SELF-LEVELING AND PATCHING COMPOUNDS**

RESILIENT One layer; well bonded; non-cushioned

UNACCEPTABLE SURFACES

• Cushion backed vinyl

• Laminate

• Interflex and any perimeter bonded products

• Carpet

• Cork

• Any floating floor system

*Daltile will not warrant or accept responsibility of any kind for flooring failures related to the use of unacceptable substrates and surfaces.

JOB SITE CONDITIONS

It is recommended that resilient floor covering installation shall not begin until all other trades are completed.

• Areas to receive flooring shall be clean, fully enclosed, with the permanent HVAC set at a uniform temperature range of 65ºF to 85º F and maintained following the installation.

• Areas to receive flooring should be adequately lighted during all phases of the installation process.

• Working and open times vary based on job conditions, substrate, temperature, and humidity.

TEMPERATURE - AMBIENT

• Controlled environments are critical for testing and installation. Fully operational HVAC systems are the best way to ensure temperature and humidity control.

Do not install resilient flooring products until the work area can be temperature controlled. Minimum installation temperature is 65° F with a maximum installation temperature of 85° F, and the humidity below 65% for 48 hours or prior to, during, and after pre-installation testing. DO NOT INSTALL FLOORING IF MOISTURE TEST RESULTS EXCEED RECOMMENDED LIMITS.

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Building Owners/Caretakers should become aware of the flooring manufacturer's guidelines for climate control settings (temperature and humidity). These conditions must be monitored and kept constant to ensure the overall performance and long-term success of the installation.

TEMPERATURE – RADIANT HEAT

• Radiant heated substrates must never exceed 85° F surface temperature.

Several days prior to installing resilient products over newly constructed radiant heated systems, make sure the radiant system has been on and operating at maximum temperature to reduce residual moisture within the concrete.

• Three days prior to installation, lower the temperature to 65° F. 24 hours after installation gradually increase the temperature in increments of 5° F.

• After continuous operation of the radiant system, ensure the surface of the floor does not exceed 85° F.

MATERIAL AND HANDLING

• All material should be from the same run/lot number, which is found on each carton label. If material from more than one run is to be used, the job should be laid out so that different run numbers are not installed side by side.

• Flooring material and adhesive must be acclimated to the installation area for a minimum of 48 hours prior to installation.

• Store cartons of tile or plank products flat and squarely on top of one another. Preferably, locate material in the "center" of the installation area (i.e. away from vents, direct sunlight, etc.)

• Material should always be visually inspected prior to installation. Any material with visible defects should not be installed. Flooring installed with visible defects will not be considered a legitimate claim.

DALTILE PROSERIES ADHESIVE

• Use of an approved adhesive such as Daltile ProSeries Adhesive is required for warranty to apply.

UNIVERSAL PRESSURE-SENSITIVE ADHESIVE PROSERIES

• Universal Pressure-Sensitive Adhesive is a very aggressive, pressure-sensitive adhesive (acrylic latex) that is designed for the installation of a wide variety of flooring types. It has been specifically formulated to provide extended working time, develop strength quickly and perform well under rolling loads with good moisture resistance. ProSeries Universal Pressure-Sensitive Adhesive is approved for use with luxury vinyl tile in apartments condominiums, homes and commercial areas such as airports, malls, office buildings, restaurants, hospitals, schools, universities and government buildings.

Testing Requirements: Slabs up to 95% RH and 11 pH or less.

ADHESIVE APPLICATION

Note: Please follow Daltile ProSereies Adhesive guidelines for complete application instructions found at daltile.com/LVF. Read all installation instructions thoroughly before installation. Refer to technical and safety data sheets for complete information regarding uses, application, limitations and safety.

1. Tools & Materials Needed: 100-lb. 3-section roller (roll both directions), chalk line, carpenter square, utility knife, tape measure, in-situ RH moisture meter, pH testing kit.

2. For full spread application, use ProSeries Universal Adhesives with a 1/16" x 1/32" x 1/32" U-Notch trowel for dry back LVP and 1/16" x 1/16" x 1/16' U-notch for Attached Pad LVP Follow the directions on the adhesive label.

3. Spread the adhesive evenly over the subfloor, keeping the trowel at a 45-degree angle to the subfloor.

4. On nonporous substrates, allow the adhesive to remain open until trowel valleys are clear. On porous substrates, flooring can be installed into wet-tacky adhesive. Protect the open adhesive from dust and debris, which will inhibit proper bond and decrease tack.

5. Install all planks/tiles with directional arrows pointing in the same direction. Install the field area first.

6. Once the flooring is installed, immediately roll it using a 100-lb. (45,4-kg) roller.

7. Clean adhesive smudges from the flooring surface and tools with water while the adhesive is fresh/wet. Use mineral spirits when the adhesive is dry.

WARNING: For installation over old resilient floor coverings or when considering removing existing resilient floors, please be advised that these products may possibly contain asbestos fibers or crystalline silica. Please follow all recommended Resilient Floor Covering Institute (RFCI) work practices at www.rfci.com.

Cutting: Tiles and planks may be cut with a small tile cutter or scored with a utility knife and snapped.

GLUE DOWN INSTALLATION

When using planks/tiles from two or more cartons, check to be sure all pattern and lot numbers are the same to ensure proper color match. On larger installations, open several cartons and mix them as they are installed to help blend any slight shade differences from one carton to the next.

Products with directional arrows on the back should be installed with the arrows all pointing in the same direction unless you are installing custom layouts.

Before installing the material, plan the layout so plank/tile joints fall at least 6 inches (15 cm) away from subfloor and underlayment joints. Find the center point in the room. Divide the room into equal quadrants by marking two perpendicular lines on the subfloor intersecting at the center point. Depending on your layout, you may also start your row along a wall. Since walls are not always straight, snap a chalk line. Do not install over expansion joints.

Important: When installing flooring with Attached Pad, no additional underlayment should be used.

Approved additional approved underpayments may be used with dry back LVP when necessary. All installation must follow underlayment installation instructions and limitations.

Daltile continuously makes technological advancements that improve product performance or installation techniques and methods. All instructions and recommendations are based on the most recent information available and should be followed for an ideal installation. Contact Daltile Technical Services at 800-933-TILE with questions about product installation or visit our website at daltile.com to ensure you have the most up to date version of our installation instructions.

IMMEDIATELY AFTER INSTALLATION

Restrict to light traffic for the first 24 hours. Maintain climate settings (temperature and humidity) within installed area; do not expose to severe increases or decreases in climate. Install the base moldings. Seal all areas that may be exposed to surface spills (i.e. tubs, toilets, and showers) with silicone caulking.

TRAFFIC

Restrict foot traffic for 12 hours after installation.

• Restrict heavy traffic, rolling loads, or furniture placement for 24 hours after installation. Additional time may be necessary if the installation is over a non-porous substrate.

• Return appliances and furniture to the room by rolling or sliding them over strips of hardboard.

• Allow at least five days following the installation before conducting wet cleaning procedures or initial maintenance.

CARE AND MAINTENANCE

Your Daltile LVF flooring will provide years of carefree use. You will find that it is not only beautiful, but durable. It is also much easier to maintain than most other flooring products, thanks to its tough protective finish and moisture resistance. It only takes a few simple care and maintenance steps to keep your Daltile floor looking beautiful for years to come.

PREVENTATIVE MAINTENANCE

Prevent indentations and scratches with the use of non-staining floor protectors or felt pads on the legs of chairs, appliances and all heavy furniture. Floor protectors should be at least one inch in diameter.

• Do not flood floor or subject to standing water.

• Protect your floor from tracked-in dirt by using mats at all outside entrances. Mats should have a non-rubberized backing and be marked as non-staining.

• Avoid tracking in tar or asphalt from driveways.

• Avoid high heeled shoes on your floor, as they can cause permanent indentations.

• Protect your floors against burns. Burns from cigarettes, matches or other extremely hot items can cause permanent damage.

• Avoid exposure to direct sunlight for prolonged periods, as this can cause discoloration.

• Areas to receive flooring shall be fully enclosed, with the permanent HVAC set at a uniform temperature range of 65ºF to 85º F and maintained following the installation.

CLEANING & MAINTENANCE

• Sweep the floor regularly with a soft bristle broom to remove loose dirt.

• Wash the floor with non-abrasive, neutral pH floor cleaner. • For every day maintenance, a mop moistened with warm water will suffice.

• Spills should be cleaned up immediately.

DO NOT USE THE FOLLOWING ON YOUR DALTILE LVF FLOOR:

• Soap based detergents

• Abrasive or mop-and-shine products

• Floor wax

• Ammonia or bleaches; for spot treatment or stain removal, use a diluted 10:1 solution of water to liquid bleach

• Vacuum cleaner with a rotating beater bar

Always read the cautionary information on all cleaners prior to use.

IMPORTANT: Never push, pull or drag furniture, appliances or other items across the floor. Always place hardboards over flooring or lift and carry furniture and other heavy items.

TREATING STAINS, SPILLS & SCUFFS

Follow the remedies in order. Unless instructed otherwise, use a clean, white cloth or towel with products recommended for Daltile LVF flooring. Always rinse the affected area with clean water after

treatment.

STAIN OR SPILLS OF THIS CATEGORY: Acids, alkalis, blood, ketchup, mustard, food, fruit, fruit juices, candy, cleaners, strong soaps, dye, dye markings, urine and feces, grass, iodine, mercurochrome and rust

Remedy

• If substance is dry, gently peel it from the floor. Avoid sharp instruments that could scratch floor.

• Scrub area with non-abrasive cleaner.

• Rub lightly with odorless mineral spirits or paint thinner. NOTE: Do not use acetone or nail polish remover.

SUBSTANCES THAT WON'T WIPE UP:

Adhesives, chewing gum, oil, grease, candle wax and tar Remedy:

• First, remove as much solid material as possible.

• Carefully remove excess with a spoon or fingernail. Avoid sharp instruments that could scratch floor.

• Scrub area with non-abrasive cleaner.

• Rub lightly with odorless mineral spirits, isopropyl alcohol or lighter fluid.

SCUFFS AND SMUDGES:

Rubber heel marks, shoe polish Remedy:

• Rub the scuff with fingertip. The friction will remove rubber.

• Scrub area with non-abrasive cleaner.

• Rub lightly with isopropyl alcohol or lighter fluid.

CAUTION: Isopropyl alcohol, lighter fluid, odorless mineral spirits and paint thinner are flammable solvents. Carefully read and follow cautionary information on respective labels. Keep traffic off treated area for 30 minutes.

FILING A CLAIM

If you find a defect or other matter covered by any of the limited warranties described previously, promptly notify the retailer who sold you the floor covering material. The retailer will review, and if necessary file a claim with Daltile, and help answer any questions you may have.

After a warranty claim is properly filed, Daltile's service coordinator will designate a representative to evaluate the warranty claim. This warranty is conditioned upon your reasonable cooperation with Daltile and its service coordinator and representative in the evaluation of your warranty claim and the implementation of any remedy.

PROSERIES LUXURY VINYL FLOORING

TRIM INSTALLATION & CARE GUIDE

STOCKING AND SPECIAL ORDER

Daltile | Dal-Tile, LLC
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PROSERIES™ LUXURY VINYL FLOORING daltile

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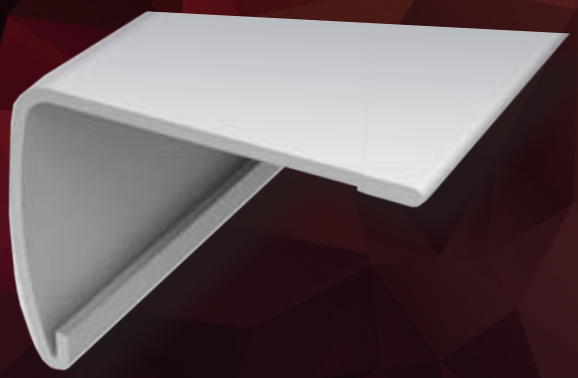
Please reference the series sales sheet to view which platform and trim is available within each series.

EXTRA TALL STAIR NOSE



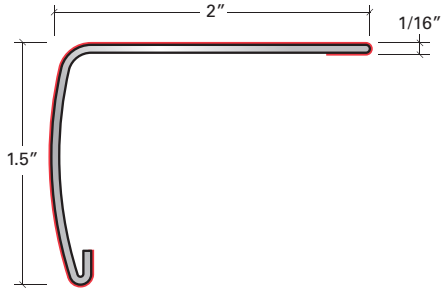
Creates a transition to the edge of the step by overlapping the flooring on the back end. Can also be installed flush on floors with an overall thickness up to 4 mm.*

* References to flooring thickness refer to the total thickness of all members of the floor installation being laid upon the subfloor. This typically is comprised of the flooring plank, e.g. Vinyl or Laminate, the underlayment, either attached or loose lay and any additional vapor barriers.

Extra Tall Stair Nose - EXTSN

Note: Available for both Rigid Click and Flexible Glue Down Platforms.

Technical Information — Sizes



Extra Tall Stair Nose

The Extra Tall Stair Nose combines style and function to enhance the beauty of a staircase or step. For use on flooring with an overall thickness of up to 19 mm (0.75″).

Surface Material: High Wear Resistant Aluminum Oxide Laminate

Core Material: Aluminum

Shim

To be used with Extra Tall Stair Nose for floors for flush installations

(See illustrations at bottom right).

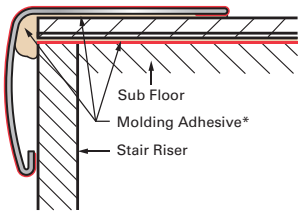
Material: Standard MDF/HDF

Installation*

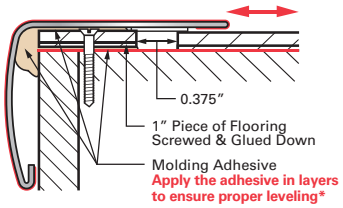
Overlap Install

Locked Down Install

Used where floating of the floor is not required, as with Stair Tread or Glued-Down/Nailed-Down floors. This can be used on floating floors where expansion and contraction will occur on the opposite side of the flooring plane.



Floating Install



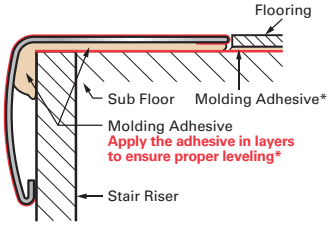
Flush Install

Locked Down Install

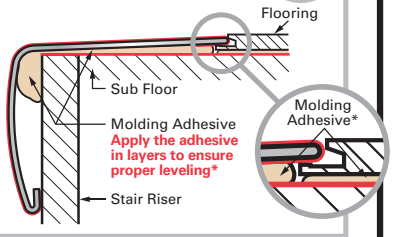
Used where floating of the floor is not required, as with Stair Tread or Glued-Down/Nailed-Down floors. This can be used on floating floors where expansion and contraction will occur on the opposite side of the flooring plane.

Tongue side of plank MUST face the Extra Tall Stair Nose, Shims, and flooring planks must be glued down to subfloor.

Flooring with an overall thickness of 2-3 mm



Flooring with an overall thickness of 4 mm



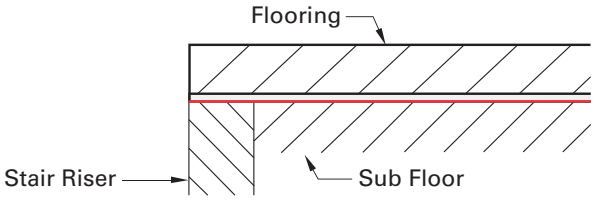
** Premium Polyurethane Construction Adhesive*

Extra Tall Stair Nose - EXTSN

Installation on flooring with an overall thickness of up to 19 mm (0.75").

"LOCK-DOWN" INSTALLATION

Flooring with an overall thickness of up to 19 mm (0.75")



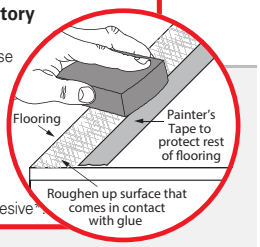
Step 1

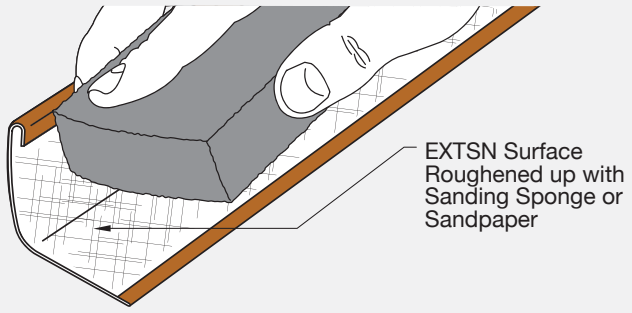
Install the riser flush to the stair. Glue down flooring planks (for more details see manufacturers recommendations). Then, clean flooring and molding as directed below:

CLEANING PREPARATION FOR BOTH SURFACES

Preparing the floor & molding as outlined is mandatory to achieve the required bonding strength

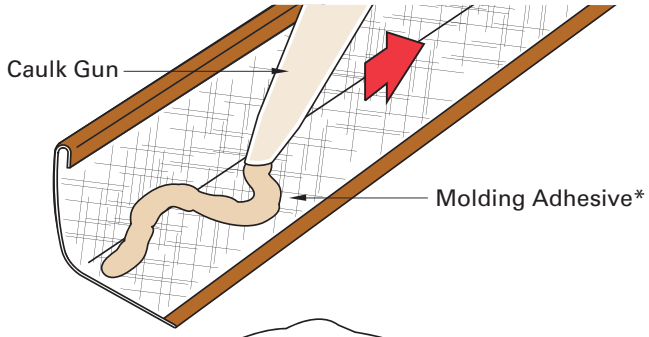
1. Use a damp cloth (water only) to clean both surfaces of loose particles or surface films.
2. Roughen the surfaces with sandpaper (100-150 grit), sanding sponge or metal brush. For flooring, only roughen up area that will be covered (1.25" to 1.5").
3. Degrease both surfaces to remove all traces of oil, grease, dust, and fingerprints by using a solvent such as methyl ethyl ketone (MEK), acetone or isopropyl alcohol.
4. Let both surfaces dry thoroughly before applying Molding Adhesive*.





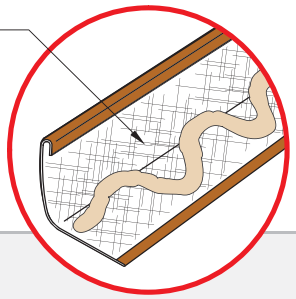
Step 2

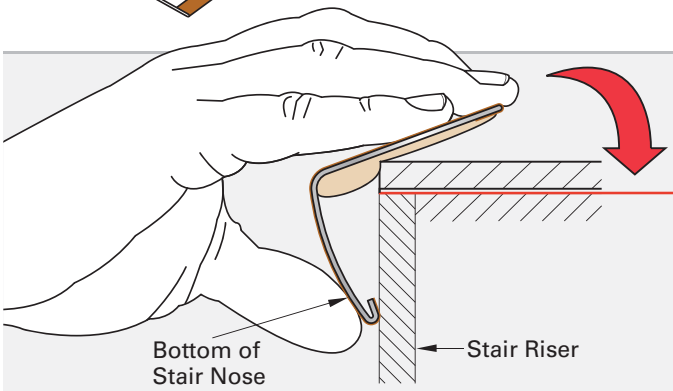
Turn EXTSN over and roughen the inside surface of the EXTSN to increase bond by means of 60 grit sandpaper, sanding sponge, or a metal brush.



Step 3

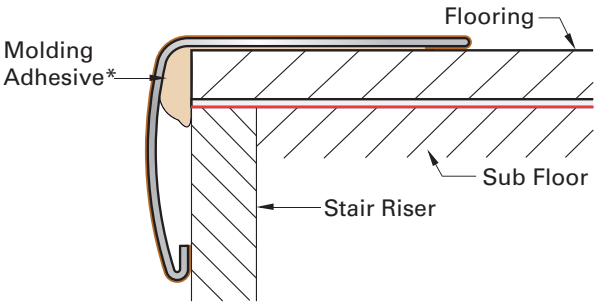
Next, apply a generous bead of a Molding Adhesive* along the entire inside corner.





Step 4

Touch the bottom of molding to the stair riser and carefully roll the stair nose in place. Make any final adjustments before you push the molding all the way down. Once it's in the final position, press down firmly with your hands and make your way down the entire stair nose. It may take 2 or 3 passes to set it firmly in place.



Step 5

Let the Molding Adhesive* cure for at least 4 hours before any walking on it. For exposure to full traffic, wait 24 to 48 hours.

NOTE: *Complete cure takes 48 hours.*

RECOMMENDED BLADES	Carbite Tipped Cross-Cutting BladeS

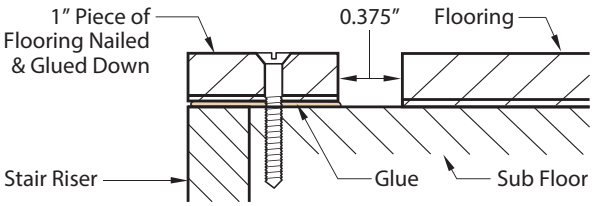
Premium Polyurethane Construction Adhesive

Extra Tall Stair Nose - EXTSN

Installation on flooring with an overall thickness of up to 19 mm (0.75”).

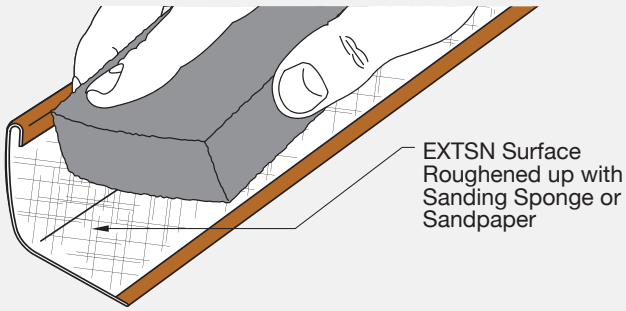
“FLOATING” INSTALLATION

Flooring with an overall thickness of up to 19 mm (0.75”)



Step 1

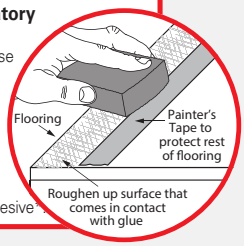
Install the riser flush to the stair. Cut a 1” wide strip of your floor. Drill, counter-sink, screw and glue it flush to the stair riser. Install flooring 0.375” from the glued down 1”strip. **DO NOT glue flooring down**. Clean flooring and molding as directed below:



CLEANING PREPARATION FOR BOTH SURFACES

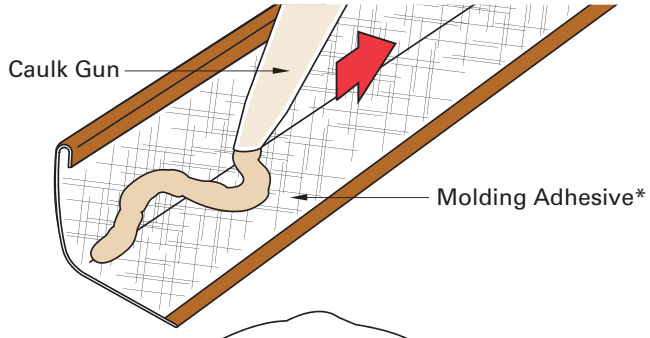
Preparing the floor & molding as outlined is mandatory to achieve the required bonding strength

1. Use a damp cloth (water only) to clean both surfaces of loose particles or surface films.
2. Roughen the surfaces with sandpaper (100-150 grit), sanding sponge or metal brush. For flooring, only roughen up area that will be covered (1.25” to 1.5”).
3. Degrease both surfaces to remove all traces of oil, grease, dust, and fingerprints by using a solvent such as methyl ethyl ketone (MEK), acetone or isopropyl alcohol.
4. Let both surfaces dry thoroughly before applying Molding Adhesive*.



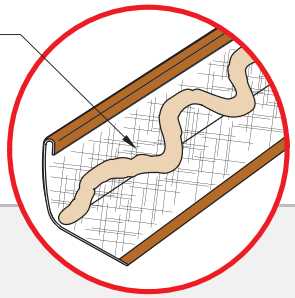
Step 2

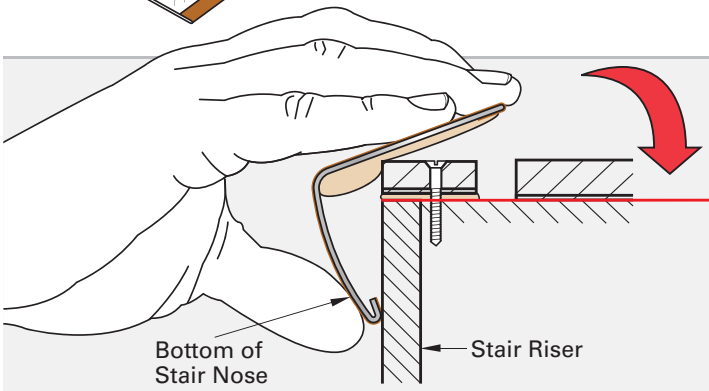
Turn EXTSN after following the cleaning preparation above.



Step 3

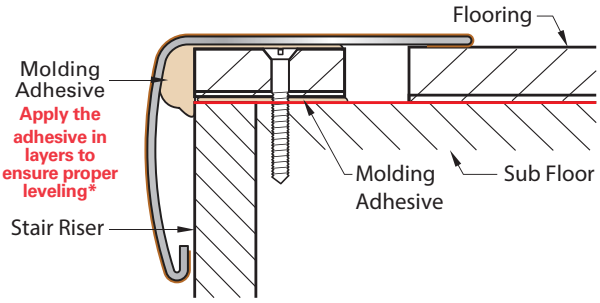
Next, apply a generous bead of a Molding Adhesive* along the entire inside corner. **Be sure to NOT put adhesive towards the front of the molding.**





Step 4

Touch the bottom of molding to the stair riser and carefully roll the stair nose in place. Make any final adjustments before you push the molding all the way down. Once it’s in the final position, press down firmly with your hands and make your way down the entire stair nose. It may take 2 or 3 passes to set it firmly in place.



Step 5

Let the Molding Adhesive* cure for at least 4 hours before any walking on it. For exposure to full traffic, wait 24 to 48 hours.

NOTE: *Complete cure takes 48 hours.*

RECOMMENDED BLADES	***Carbite Tipped Cross-Cutting BladeS***

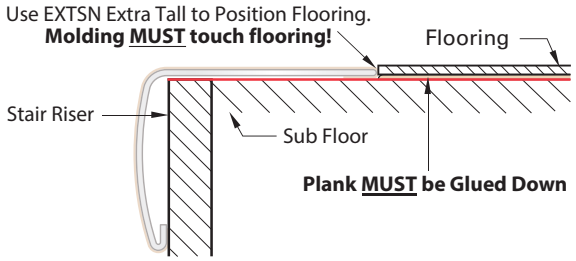
Premium Polyurethane Construction Adhesive

Extra Tall Stair Nose - EXTSN

Installation on 2-3 mm LVT flooring

"Flush Lock-Down" Installation

Flooring with an overall thickness of 2-3 mm



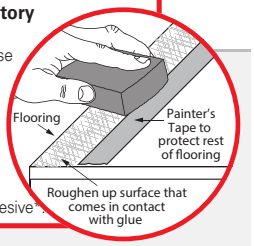
Step 1

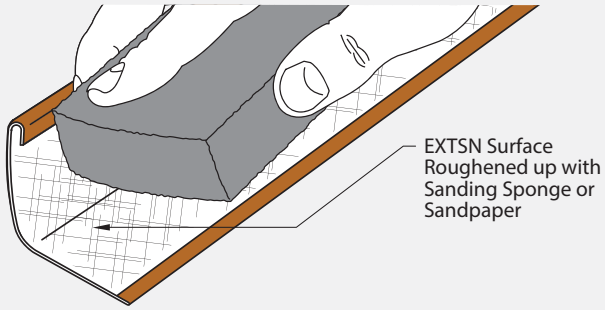
Install the riser flush to the stair. Use EXTSN to determine where to start your flooring. EXTSN must fit snuggly next to plank. Remove EXTSN and **glue the flooring plank down**. Clean flooring and molding as directed below:

CLEANING PREPARATION FOR BOTH SURFACES

Preparing the floor & molding as outlined is mandatory to achieve the required bonding strength

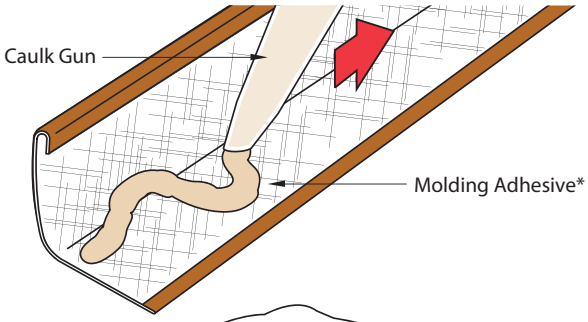
1. Use a damp cloth (water only) to clean both surfaces of loose particles or surface films.
2. Roughen the surfaces with sandpaper (100-150 grit), sanding sponge or metal brush. For flooring, only roughen up area that will be covered (1.25" to 1.5").
3. Degrease both surfaces to remove all traces of oil, grease, dust, and fingerprints by using a solvent such as methyl ethyl ketone (MEK), acetone or isopropyl alcohol.
4. Let both surfaces dry thoroughly before applying Molding Adhesive*





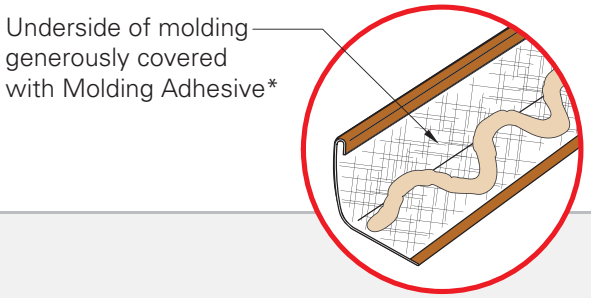
Step 2

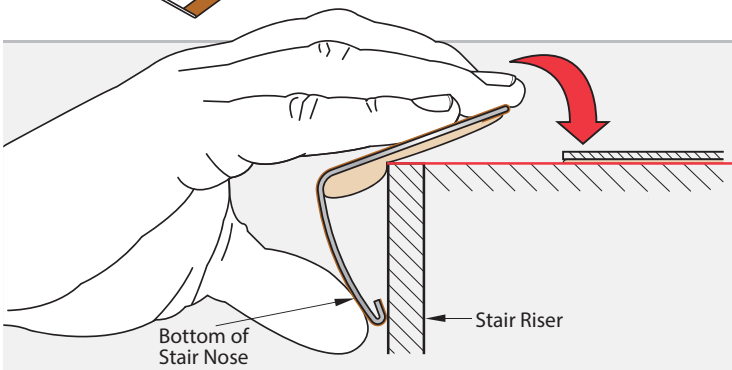
Turn EXTSN over and roughen the inside surface of the EXTSN to increase bond by means of 60 grit sandpaper, sanding sponge, or a metal brush.



Step 3

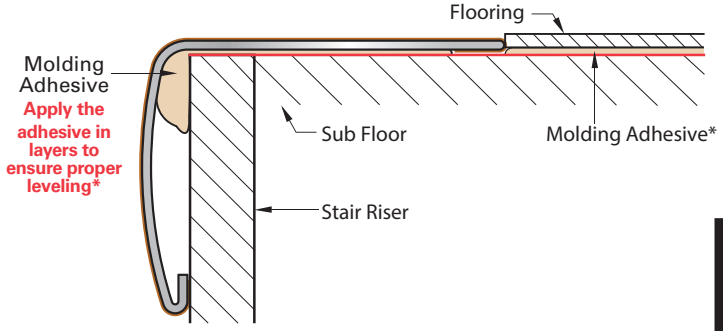
Next, apply a generous bead of a Molding Adhesive* along the entire inside corner.





Step 4

Touch the bottom of molding to the stair riser and carefully roll the stair nose in place. Make any final adjustments before you push the molding all the way down. Once it's in the final position, press down firmly with your hands and make your way down the entire stair nose. It may take 2 or 3 passes to set it firmly in place.



Step 5

Allow at least 24 hours for the Adhesive* to form a bond. You should always start at top of stairs and work your way down to avoid contact with the installed moldings until cured.

NOTE: *Complete cure takes 48-72 hours.*

RECOMMENDED BLADES — *Carbite Tipped Cross-Cutting BladeS*

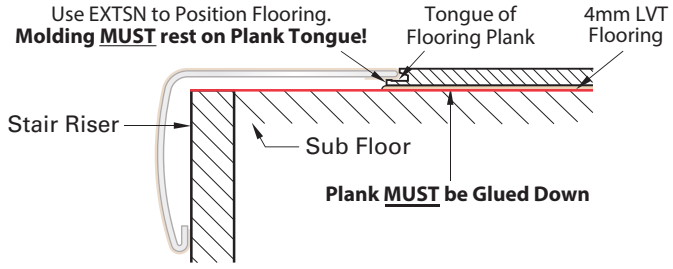
Premium Polyurethane Construction Adhesive

Extra Tall Stair Nose - EXTSN

Installation on 4 mm LVT flooring

"Flush Lock-Down" Installation

Flooring with an overall thickness of 4 mm



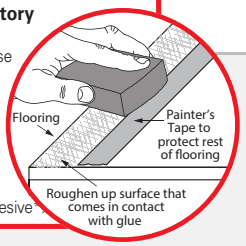
Step 1

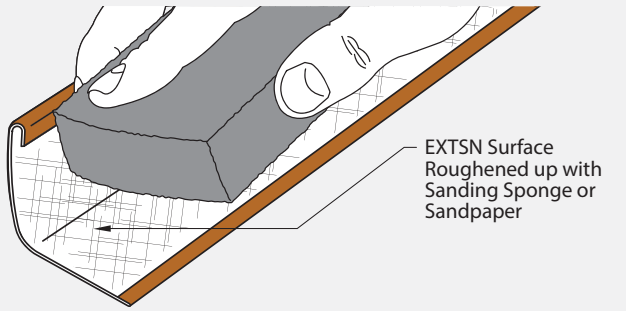
Install the riser flush to the stair. Use EXTSN to determine where to start your flooring. ***Tongue side of flooring plank MUST face EXTSN*** so EXTSN can fit snuggly onto Tongue. Remove EXTSN and **glue the flooring plank down**. Clean flooring and molding as directed below:

CLEANING PREPARATION FOR BOTH SURFACES

Preparing the floor & molding as outlined is mandatory to achieve the required bonding strength

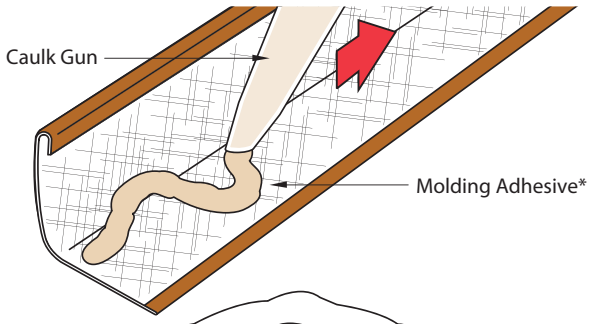
1. Use a damp cloth (water only) to clean both surfaces of loose particles or surface films.
2. Roughen the surfaces with sandpaper (100-150 grit), sanding sponge or metal brush. For flooring, only roughen up area that will be covered (1.25" to 1.5").
3. Degrease both surfaces to remove all traces of oil, grease, dust, and fingerprints by using a solvent such as methyl ethyl ketone (MEK), acetone or isopropyl alcohol.
4. Let both surfaces dry thoroughly before applying Molding Adhesive





Step 2

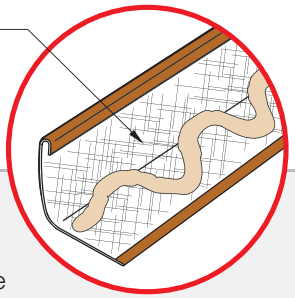
Turn EXTSN over and roughen the inside surface of the EXTSN to increase bond by means of 60 grit sandpaper, sanding sponge, or a metal brush.

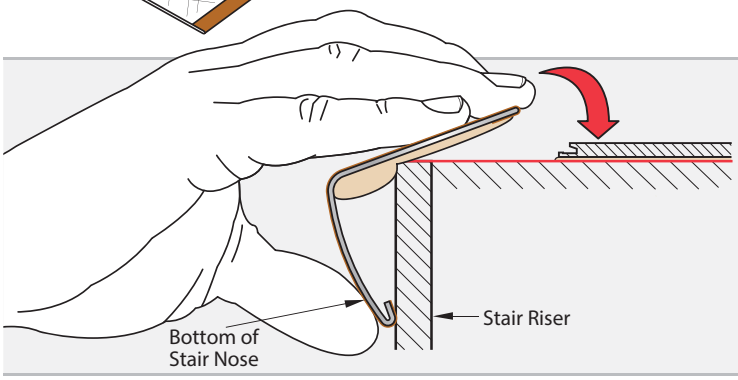


Step 3

Next, apply a generous bead of a Molding Adhesive* along the entire inside corner. Reveal edge of plank may show when EXTSN is installed. To compensate, apply a little more adhesive to the molding.

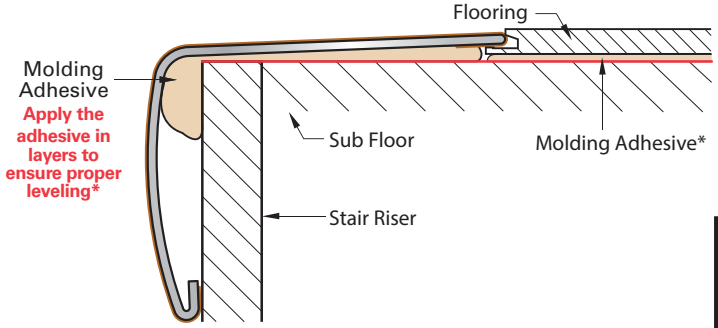
Underside of molding generously covered with Molding Adhesive*





Step 4

Touch the bottom of molding to the stair riser and carefully roll the stair nose in place. Make any final adjustments before you push the molding all the way down. Once it's in the final position, press down firmly with your hands and make your way down the entire stair nose. It may take 2 or 3 passes to set it firmly in place.



Step 5

Allow at least 24 hours for the Adhesive* to form a bond. You should always start at top of stairs and work your way down to avoid contact with the installed moldings until cured.

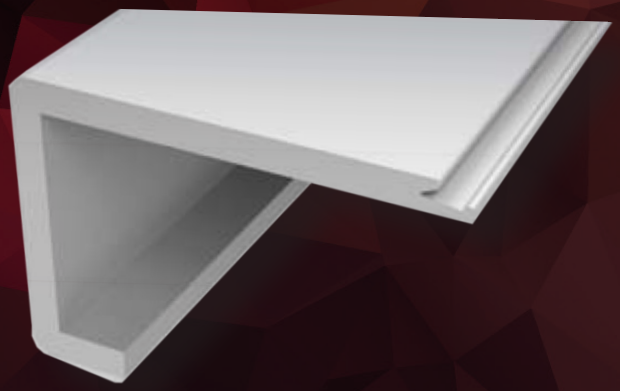
NOTE: *Complete cure takes 48-72 hours.*

RECOMMENDED BLADES

Carbite Tipped Cross-Cutting BladeS

* *Premium Polyurethane Construction Adhesive*

VINYL STAIR CAP



Creates a smooth and flush finish on the edges of steps by using the same vinyl flooring plank to ensure a corresponding color and texture.

Vinyl Stair Cap - VSCAP

Note: Available for Rigid Click Platform Only.

Technical Information — Sizes

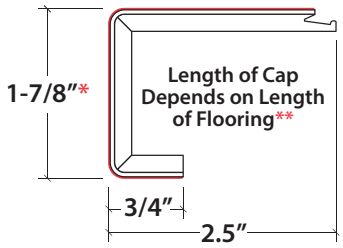
Vinyl Stair Cap - VSCAP

The VSCAP is used to create matching, flush stair treads & returns that perfectly match your floor to give your staircase an elegant cohesive look.

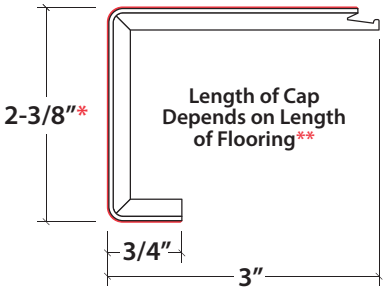
VSCAP is made from the actual floor so it is a perfect match.

Available in Edge and/or Square Depending on Floor Type

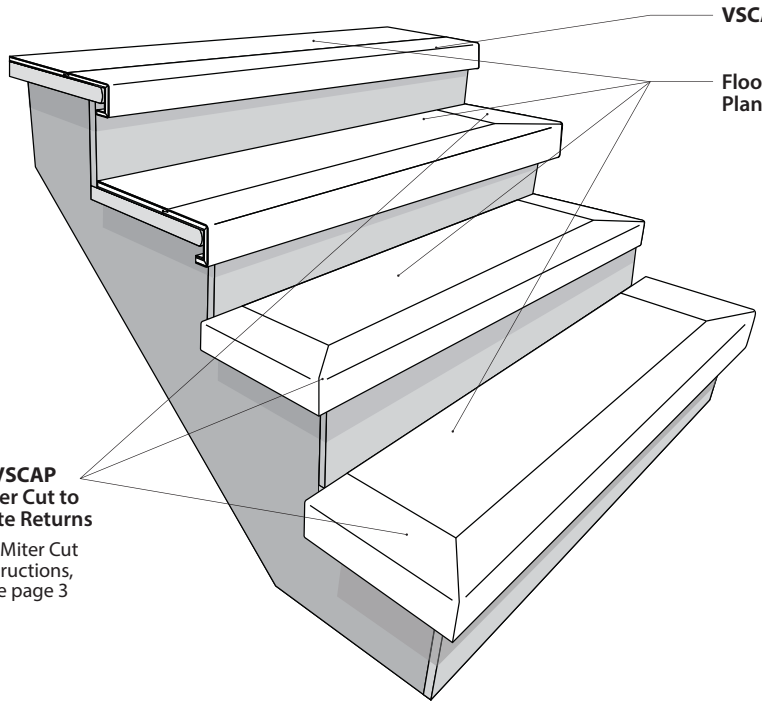
VSCAP Edge



VSCAP Square



Installation



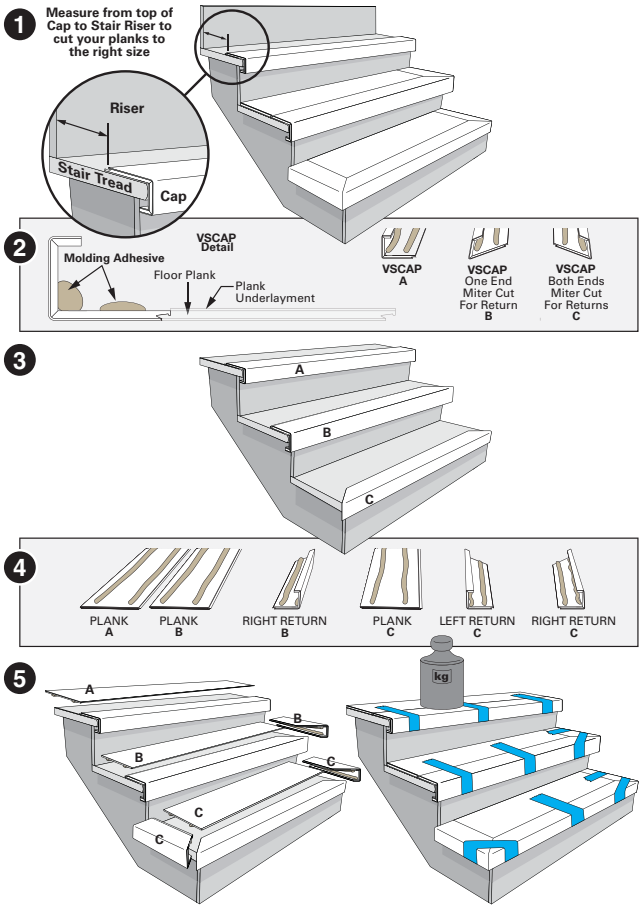
*Since flooring thicknesses vary, to find the inside height dimension of your VSCAP, measure the thickness of your floor, multiply it by 2, and subtract it from the outside height.

**VSCAPs are produced in various lengths depending on the length of the actual floor. However, regardless of the floor length, the maximum length for VSCAPs is 46 inches.

Basic VSCAP Installation

Daltile does not recommend that you join two caps together in order to complete one stair nose

Daltile does not provide custom cuts



***CAUTION:** Depending on the floor type, the VSCAP may come with padding. If the padding is not securely attached it should be removed from the cap and/or the plank before installing to stair.*

***NOTE:** Small broken areas (less than 1") in the locking system of your Cap will not cause any issues with installation because the cap and floor will be glued down.*

Step 1

Clean the staircase from all dust and debris. All wood or concrete stair surfaces must be properly prepared, stable, flat, and free of adhesive residue or anything that may be an adhesive bond breaker. ***IMPORTANT: Installing over existing flooring on stairs is not permitted. Existing flooring must be removed.***

Once staircase is clean, measure each stair and cut your planks and caps. *If creating returns, use a miter saw set at 45° angles to make the cuts.* Dry fit the caps, returns, & planks prior to spreading any adhesive. Leave them in place until ready to glue down.

NOTE: Start at the top of the Stair Case and work your way down. The strategy, as you will see in the steps that follow, will be to glue and staple down the VSCAP first. Then, glue down the plank and/or return(s). Move on to the next stair and repeat Steps 2 to 5.

Step 2

IMPORTANT: The VSCAP does not come with an underlayment. Apply enough adhesive to the broad flat area to make the Caps and Returns level with the floor plank. Turn the first **VSCAP** over and apply adhesive on the inside corner and a generous amount of ***molding adhesive**** on the broad flat area. *(See illustration on the left).*

Step 3

Place the **VSCAP** on the stair. Position it where you want it.

Clean up any excess adhesive with a damp rag.

Step 4

Make sure the underlayment is firmly and completely attached to the floor plank. If it is not, either remove it or reattach it with PUR adhesive. Next, take the plank and/or return(s) that go with the **VSCAP** you just fixed on the Stair. Turn them over and apply a generous amount of **molding adhesive** to them. If installing returns, apply glue to the inside corner of the return and then apply adhesive to the broad flat area of the return like you did to the Cap in **Step 2.** *(See illus. at left).*

Step 5

Next, place the plank and/or return(s) in place. ***Clean up any excess adhesive with a damp rag before applying the painters tape.***

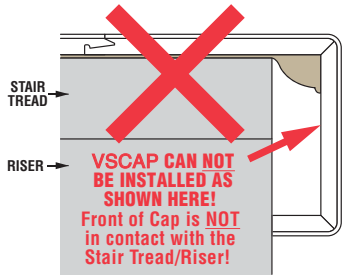
Use painter's tape to tape the **VSCAP** to the flooring plank and returns. Place a heavy weight across the seams. Let the **molding adhesive** cure for 48 hours before heavy traffic. Once dry, you can remove painter's tape from stairs.

Next, move on to the next stair and ***repeat Steps 2 to 5.***

HOW NOT TO INSTALL:

NO-OVERHANG STAIR TREAD

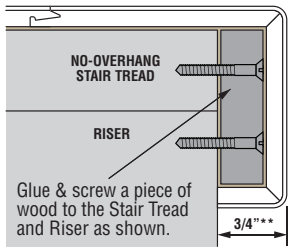
Use Options #1 or #2 at Right



INSTALLATION OPTIONS:

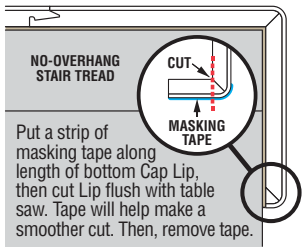
NO-OVERHANG STAIR TREAD

OPTION #1: Piece of Wood Cut to Size and Screwed & Glued in Place



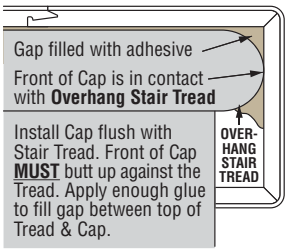
NO-OVERHANG STAIR TREAD

OPTION #2: Cut Bottom Lip of VSCAP so it Lays Flat Against Stair Tread/Riser



OVERHANG STAIR TREAD

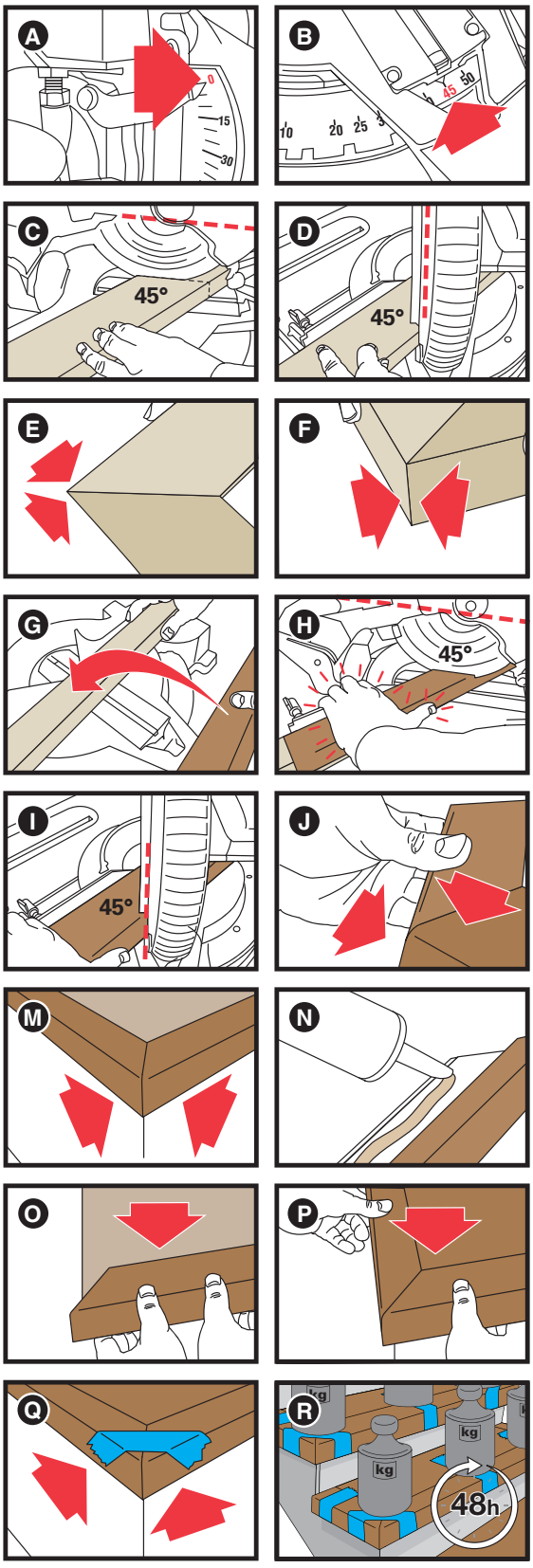
Front of Cap is in Contact with Stair Riser



When we machine the planks we change the symmetry of tension and some bowing is to be expected. Here is how you install a slightly bowed VSCAP:

- After you cut your planks and VSCAPs to size, dry fit them to see which caps are bowing. You may see a slight 1 to 2 mm gap either towards the ends of the plank or towards the middle caused by the bowing.
- Glue your VSCAP in place on the step. Then apply glue to the back of the plank. We also advise to put a thin swipe of construction glue into the click system of the floor plank.
- Line up the plank to the VSCAP so that both ends meet.
- Start at one end and snap the plank into place by lining it up with the VSCAPs groove and lowering it down.
- Take a strip of painter's tape and start towards the very top of the flooring plank and end under the lip of the VSCAP, or even on the stair riser below the cap, pulling tightly so that the VSCAP and plank are held snug in place by the tape.
- Work your way down to the other end, pressing firmly and using your body weight to push the flooring groove into the VSCAP until it snaps into place.
- Then add strips of painter's tape to the other end and to the center of the tread to hold the VSCAP in place until the glue dries. Apply weights.

**Per 2018 Building code (IBC R311.7.5.3) an overhang stair tread of not less then 3/4" is required when treads are less then 11" deep, but please make sure to check with your local code officials as local jurisdictions have their own rules.



Cutting VSCAP to Create Returns

Daltile does not provide custom cuts

Make sure to use safety goggles and thick gloves while using saw and handling the blade

Step 1 **– MAKE TEST CUTS ON SCRAP 2x4**

IMPORTANT: Make sure the bevel angle is set to ZERO (A).

We highly recommend you do a test cut on 2 scrap pieces of 2x4 to make sure your cuts line up. Set the miter angle to **45 degrees** for the first cut **(B)**. Cut the 2x4 **(C)**.

Then change angle of miter cut to **45 degrees** in the other direction **(D)**. Cut the other piece of 2x4.

Line up ends of the 2x4s to form a corner **(E)**. Check the pieces to see if they line up correctly with **no gap** on the top or front view **(F)**.

Step 2 **– CUT YOUR VSCAP**

IMPORTANT: Use a scrap 2x4 piece to set VSCAP on while you make the cuts (G). This will keep them level as you cut.

Set the miter angle to **45 degrees**. Cut the VSCAP **(H)**.

REMINDER: Always wear safety goggles when using the saw

IMPORTANT: Hold the VSCAP extremely tight, otherwise it will pull in the direction of the blade and your cut will be off

Change miter angle to **45 degrees** in the other direction **(I)**. Cut the other piece that you are using for the Return. Again, ***make sure you hold the VSCAP extremely tight. Don't let it move while you make the cut.***

Check the Cap & Return to see if they line up correctly with **no gap** on the top or front view **(J)**.

Step 3 **– APPLYING CAP & RETURN TO THE STAIRS**

IMPORTANT: The VSCAP does not come with an underlayment. Apply enough adhesive to the broad flat area to make the Caps & Returns level with the floor plank.

After wiping the Cap & Return clean from debris, test the fit on your stairway. Make sure there is no gap between them **(M)**.

After you test the fit, run thick lines of ***molding adhesive**** along the inside corner and along the broad flat surface of the VersaCap **(N)**.

Put the Cap in place, pressing down firmly to make sure it is in contact with the stair **(O)**. Make sure the edge is square.

Clean up any excess adhesive with a damp rag.

IMPORTANT: Make sure the underlayment is firmly and completely attached to the floor plank. If it is not, either remove it or reattach it with PUR adhesive.

Next, take the plank and Return that go with the VSCAP you just fixed on the Stair. Turn them over and apply a generous amount of **molding adhesive** to them. Apply glue to the inside corner of the return and then apply adhesive to the broad flat area.

Next, place the plank and Return in place **(P)**.

Clean up any excess adhesive with a damp rag before applying the painters tape.

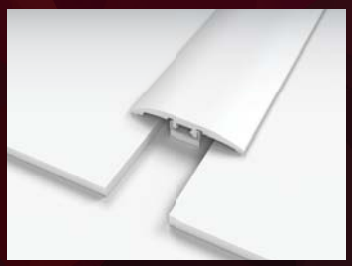
While pressing both ends firmly together, stretch a piece of painter's tape tightly across the corner edge to keep the moldings from separating while the adhesive cures **(Q).**

Place a heavy weight across the seams **(R)**.

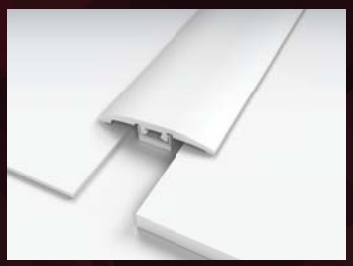
Let the Molding Adhesive cure for 48 hours before heavy traffic. Once dry, you can remove painter's tape from stairs.

**** Premium Polyurethane Construction Adhesive***

SLIM TRIM
4-IN-1 TRANSITION



T-Molding



Hard Surface Reducer

End Molding

Carpet Transition

Performance Accessories' exclusive 4-in-1 transition allows you to utilize a single transition for four different applications.

Note: Available for both Rigid Click and Flexible Glue Down Platforms.

Technical Information — Sizes

SlimTrim

Our SlimTrim functions as a Reducer, T-Molding, and End Cap. Comes with track & shim for floors up to 1/4" (6.35mm) or dowels for floors up to 3/4" (19mm). *See illustrations below for details.*

Surface Material: High Wear Resistant Aluminum Oxide Laminate

Core Material: PVC

Track

To be used with SlimTrim for floors up to 1/8" (3mm) thickness. Also, used in conjunction with the Shim for 1/8"-1/4"* (3-6.35mm). *See illustrations below for details.*

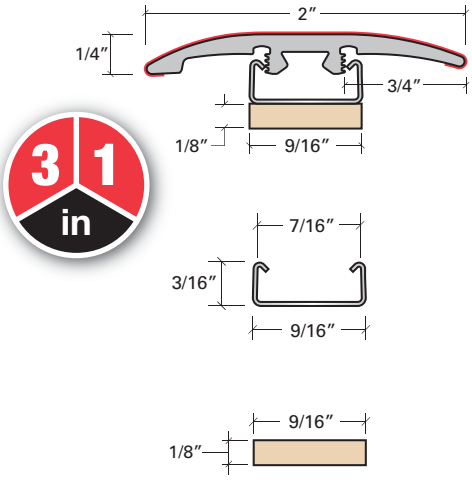
Material: Cold Roll Steel

*** For floors thicker than 1/4" (6.35mm), use dowel installation**

Shim

Used with SlimTrack installation to extend thickness range.

Material: Standard HDF

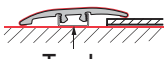


Installation*

LVT Floors

1 Hard Surface Reducer:

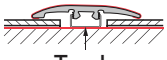
Up to 1/4" (0-6.35mm)**



Track

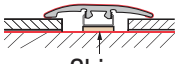
2 T-Molding:

1/16 to 1/8" (1.6-3mm)**



Track

1/8-1/4" (3-6.35mm)**

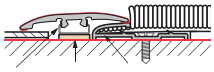


Shim

3 Carpet Transition:

Hard Surface to Carpet

Up to 1/4" (0-6.35mm)**

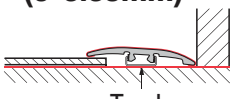


Track Shim Carpet Transition

4 End Molding:

Hard Surface to Threshold, Sliding Door, etc.

Up to 1/4" (0-6.35mm)**



Track

*The installation instructions shown on this page are suggestions of how to install our moldings. Daltile does not assume responsibility for any product failure or liability due to installations that are in violation of the flooring manufacturer's installation guidelines and/or warranties.

**All references to flooring thickness refer to the total thickness of all members of the floor installation being laid upon the subfloor. This typically is comprised of the flooring plank, e.g. Vinyl, the underlayment, either attached or loose lay and any additional vapor barriers.

PROSERIES™ SLIM TRIM 4-In-1 Transition

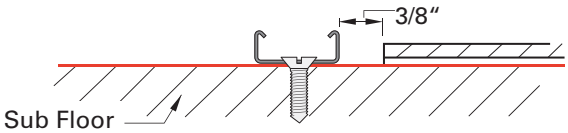
PROSERIES™ LUXURY VINYL FLOORING daltile

SlimTrim as a Hard Surface Reducer

Use Track (Metal Track) for up to 6.35 mm floors.

Up to 1/4" (6.35 mm) Floors

If the flooring manufacturer suggests/permits the use of underpayments, you may need to shim the track to accommodate the increase in overall thickness

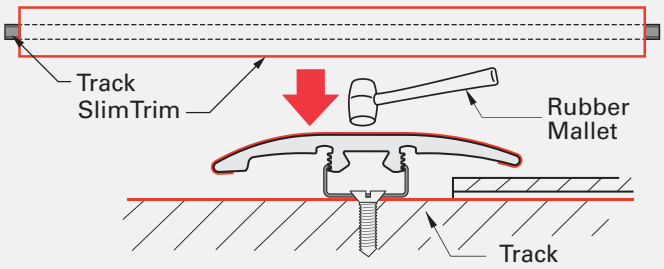


This end of the SlimTrim MUST be placed on the lower of the two surfaces.

Step 1

Install the flooring plank*. Then place the Track 3/8" from the floor and screw it to the sub-floor using #6 screws.

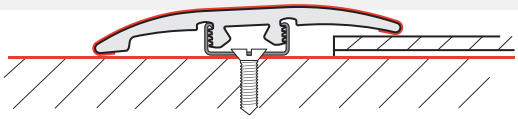
IMPORTANT: Rock SlimTrim back & forth to make sure it is sitting inside the track BEFORE hammering in!



If SlimTrim wiggles back and forth, it is NOT set in the track properly and will be damaged when hammered in!

Step 2

Line the SlimTrim molding up with the Track and fit one end into the molding. Using a rubber mallet, tap the molding until it engages with the track. **Use your hand to guide the molding into the track as you work your way down**, tapping it in, similar to how you would close a zip-loc bag.

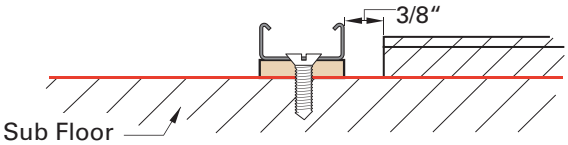


Step 3

Next, go up and down the molding several times, tapping the SlimTrim all the way into the track. You can use a little more force once you are sure it is properly engaged in the track.

Use SlimTrack & Shim for 6.35-9.5 mm floors. Use the same molding & track, just add Shim.

For 6.35 - 9.5mm WPC/LVT Floors

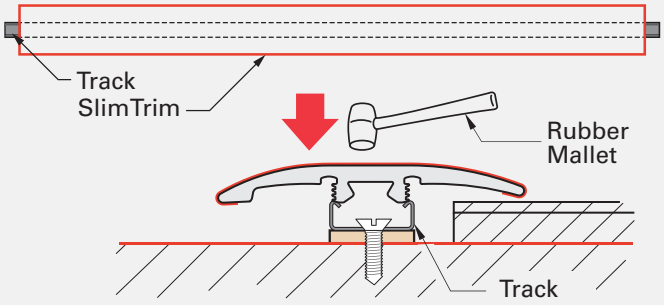


This end of the SlimTrim MUST be placed on the lower of the two surfaces.

Step 1

Install the flooring plank*. Then place the track & shim 3/8"from the floor and screw it to the sub-floor using #6 screws.

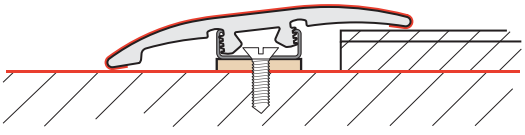
IMPORTANT: Rock SlimTrim back & forth to make sure it is sitting inside the track BEFORE hammering in!



If SlimTrim wiggles back and forth, it is NOT set in the track properly and will be damaged when hammered in!

Step 2

Line the SlimTrim molding up with the Track and fit one end into the molding. Using a rubber mallet, tap the molding until it engages with the track. **Use your hand to guide the molding into the track as you work your way down**, tapping it in, similar to how you would close a zip-loc bag.



Step 3

Next, go up and down the molding several times, tapping the SlimTrim all the way into the track. You can use a little more force once you are sure it is properly engaged in the track.

PROSERIES™ SLIM TRIM 4-In-1 Transition

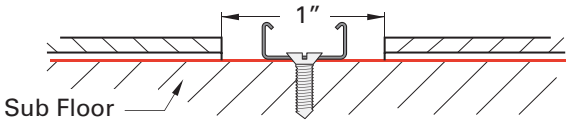
PROSERIES™ LUXURY VINYL FLOORING daltile

SlimTrim as a T-Molding

Use Track (Metal Track) for 1.6 - 3 mm floors.

1/16 to 1/8" (1.6-3 mm) Floors

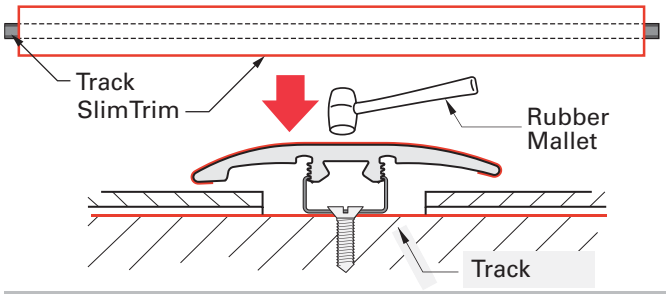
***If the flooring manufacturer suggests/permits the use of underlayments, you may need to shim the track to accommodate the increase in overall thickness**



Step 1

Install the flooring planks* by leaving a 1" inch (25mm) gap for the installation of the SlimTrim. Center the track between the two laminate floors and screw it to the sub floor by using #6 screws.

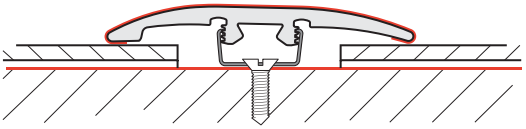
IMPORTANT: Rock SlimTrim back & forth to make sure it is sitting inside the track BEFORE hammering in!



If SlimTrim wiggles back and forth, it is NOT set in the track properly and will be damaged when hammered in!

Step 2

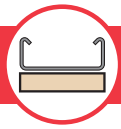
Line the SlimTrim molding up with the Track and fit one end into the molding. Using a rubber mallet, tap the molding until it engages with the track. **Use your hand to guide the molding into the track as you work your way down,** tapping it in, similar to how you would close a zip-loc bag.



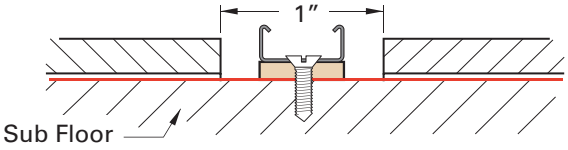
Step 3

Next, go up and down the molding several times, tapping the SlimTrim all the way into the track. You can use a little more force once you are sure it is properly engaged in the track.

Use Track & Shim for 4-6.35 mm floors. Use the same molding & track, just add shim.



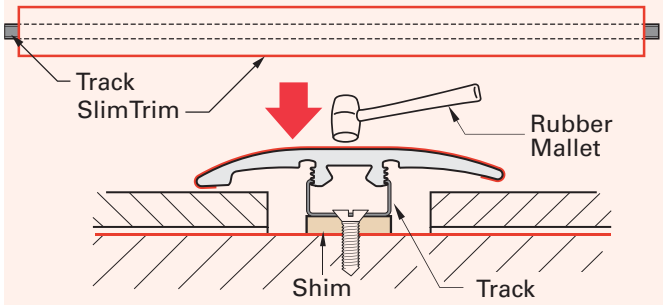
1/8 to 1/4" (3-6.35 mm) Floors



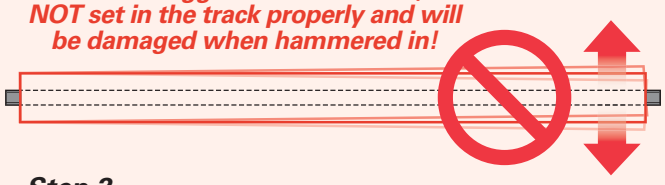
Step 1

Install the flooring planks by leaving a 1" inch (25mm) gap for the installation of the SlimTrim. Center the track and shim between the two laminate floors and screw them to the sub floor by using #6 screws.

IMPORTANT: Rock SlimTrim back & forth to make sure it is sitting inside the track BEFORE hammering in!

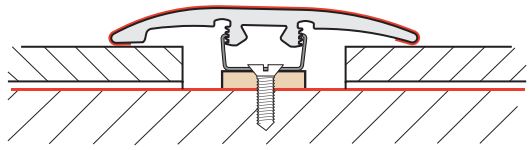


If SlimTrim wiggles back and forth, it is NOT set in the track properly and will be damaged when hammered in!



Step 2

Line the SlimTrim molding up with the Track and fit one end into the molding. Using a rubber mallet, tap the molding until it engages with the track. **Use your hand to guide the molding into the track as you work your way down,** tapping it in, similar to how you would close a zip-loc bag.



Step 3

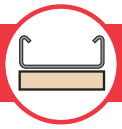
Next, go up and down the molding several times, tapping the SlimTrim all the way into the track. You can use a little more force once you are sure it is properly engaged in the track.

PROSERIES™ SLIM TRIM 4-In-1 Transition

PROSERIES™ LUXURY VINYL FLOORING daltile

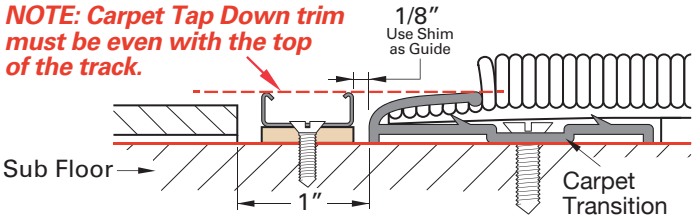
SlimTrim as a Carpet Transition

Use Track & Shim for up to 6.35 mm floors. Use the same molding & track, just add shim.



Up to 1/4” (0-6.35 mm) Floors

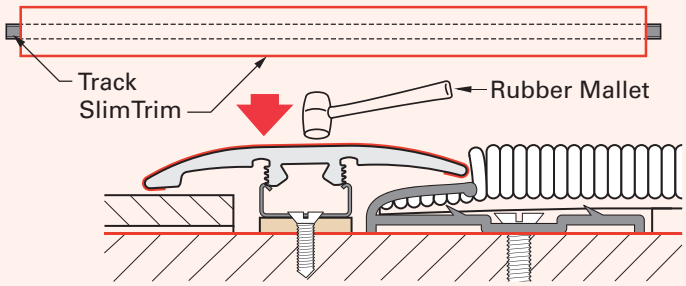
NOTE: Carpet Tap Down trim must be even with the top of the track.



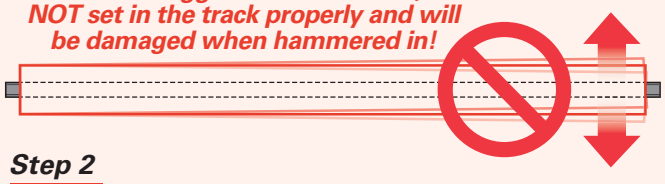
Step 1

Install the flooring plank and carpet (using a carpet tap down trim) by leaving a 1" inch (25mm) gap for the installation of the SlimTrim. Position the track 3/4” from where the of the Carpet Transition trim meets the carpet and screw them to the sub floor by using #6. The Carpet Transition trim must be even with the top of the track.

IMPORTANT: Rock SlimTrim back & forth to make sure it is sitting inside the track BEFORE hammering in!

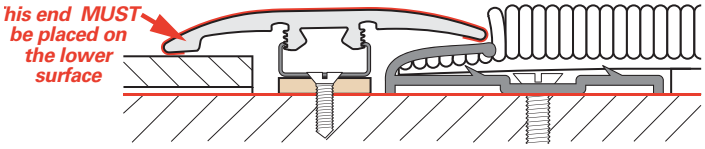


If SlimTrim wiggles back and forth, it is NOT set in the track properly and will be damaged when hammered in!



Step 2

Line the SlimTrim up with the track and fit one end into the molding. Using a rubber mallet, tap the molding until it engages with the track. **Use your hand to guide the molding into the track as you work your way down,** tapping it in, similar to how you would close a zip-loc bag.



Step 3

Next, go up and down the molding several times, tapping the SlimTrim all the way into the track. You can use a little more force once you are sure it is properly engaged in the track.

FULL ROUND STAIR TREAD

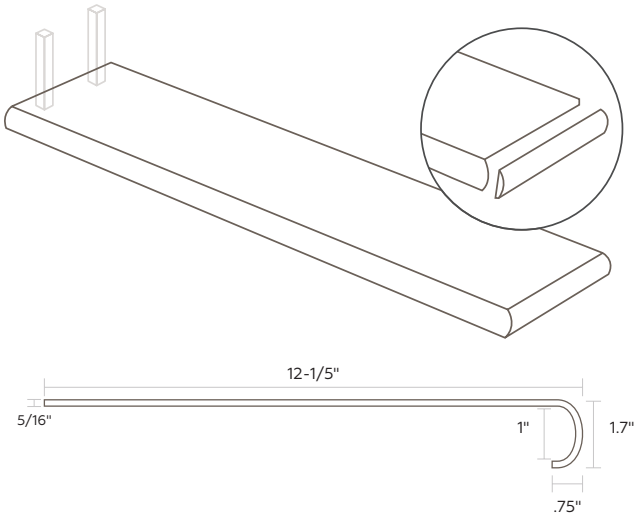
A vinyl stair tread with pre-attached stair nosing.
Can be used on steps with or without nosing.

FULL ROUND STAIR TREAD INSTALLATION GUIDE

PROSERIES™ LUXURY VINYL FLOORING
daltile

SPECIFICATIONS

- 12-1/5" W x 50" L x 5/16" T
  (50" includes the width of left and right returns.
  The length without returns is 48")
- Thickness of "overlap": 1.7"
- 1 piece per carton
- 100% Waterproof, kidproof, petproof
- Pre-attached nosing for easy front installation
- Includes end cap to be cut to size for the right or left side, the adhere to tread for open staircases
- Seamless one-piece stair tread
- Meets building code



TOOLS & MATERIALS

- ✓ Gloves, Safety Glasses, Dust Mask
- ✓ Measuring Tape
- ✓ Pliers
- ✓ Hammer
- ✓ Vacuum
- ✓ 5 in 1 Tool/Scraper
- ✓ Heavy Duty, Urethane Construction Adhesive
- ✓ Caulking Gun
- ✓ Sliding Miter Saw With Carbide Tipped Blade
- ✓ Table Saw With Carbide Tipped Blade
- ✓ T-Bevel or Angle Gauge
- ✓ 100 Grit Sandpaper
- ✓ Brad/Finish Nailer
- ✓ Denatured Alcohol
- ✓ Matching Wood Filler

FULL ROUND STAIR TREAD INSTALLATION GUIDE

PROSERIES™ LUXURY VINYL FLOORING daltile

PREPARING FOR INSTALLATION

The **FULL ROUND STAIR TREAD** can be installed on steps with or without nosing. Any stair nosing greater than 1" thick and .25" deep will require to be uninstalled creating a squared off step. This can be achieved by utilizing a circular saw to cut off as much overhang to position it as close to the stringers as possible. A hammer and chisel can be used to remove the remaining end portions.

Prior to installation of the **FULL ROUND STAIR TREAD**:

1. The entire staircase should be clean. by removing any carpet, staples and padding. Any nails that are inhibiting installation must be flattened. Remove any debris or obstruction that might interfere with the installation by vacuuming the stairs.

2. It is imperative that the staircase is structurally stable by repairing or reinforcing any steps that may be loose or create noise.

If staircase has pre-existing spindles, make sure to remove prior to **FULL ROUND STAIR TREAD** installation. After stair tread installation, is completed, re install the spindles. Do not cut stair tread around existing spindles.

MEASURING/FITTING

FULL ROUND STAIR TREADS

3. Measure the width of each step, from stringer to stringer, where the riser meets the step, as well as the front portion of the step or the stringer to step end for Open Steps. **Use a T-Bevel or Angle Gauge** to assure a proper fit as each step will vary in size. Transfer these measurements to the **FULL ROUND STAIR TREAD**.

4. For "open steps" cut one side of the expose side profile or for "boxed steps" cut both sides of the **FULL ROUND STAIR TREAD** with a sliding miter saw.

5. Once the step has been carefully measured, cut the entire length of the each **FULL ROUND STAIR TREAD** with a table saw to the specific dimension.

INSTALLING

6. The **FULL ROUND STAIR TREAD**, should be installed from the bottom of the staircase to the top, beginning with the bottom riser. Then alternate by installing tread, riser, tread riser until entire staircase is completed.

7. Lightly sand the back of the **FULL ROUND STAIR TREAD** with 100 grit sandpaper and wipe the surface with denatured alcohol applied to a clean cloth to aid in adhesion. This will improve the adhesion of the tread to the step.

8. Apply a 1/4" bead of Heavy Duty Urethane Construction Adhesive to the back side of the bottom riser around the perimeter as well as a serpentine bead throughout the middle.

9. Fit riser into place and reinforce with brad nails at the top if necessary. Place the nail close enough to the top edge so that the following **FULL ROUND STAIR TREAD** covers the nail holes.

10. Apply adhesive to the next **FULL ROUND STAIR TREAD** in the sequence and fit into place.

11. Repeat all steps until staircase is completed.

12. Secure each tread with 2 to 3 brad nails across the width of the tread without getting to close to 1/4 inch from the current riser. The tread riser will be used to cover any brad nails installed. This process will assist keeping the **FULL ROUND STAIR TREAD** in place while installing from bottom to top.

13. For "open steps", place the included edge cap by the side of the stair tread to check that the miter aligns with the tread. Verify where the edge cap will end and mark with a pencil the short end where the 45-degree cut will be done.
Once the edge cap is cut, drill 2 piolet holes into the edge cap. The holes need to be 4" apart from each other. Insert the dowels into the holes and use the dowels to mark where the holes in the substrate need to be drilled. Mark the holes on the substrate and drill the holes to insert the dowels into place. Add glue to attach the edge cap onto the substrate and full stair tread. Glue on the 45- degree return to the edge cap in order to cover the raw edge. For a stronger bond, add brad nails and fill the holes with putty.

14. To conceal the raw end of the riser, an end cap can be attached to give a finished look.

TOP STEP

15. To finish the top step, use a coordinating Extra Tall Stair Nose, or a Round Stair Nose. A Vinyl Stair Cap also can be used if the product installed is rigid click product.

FINAL DETAILS

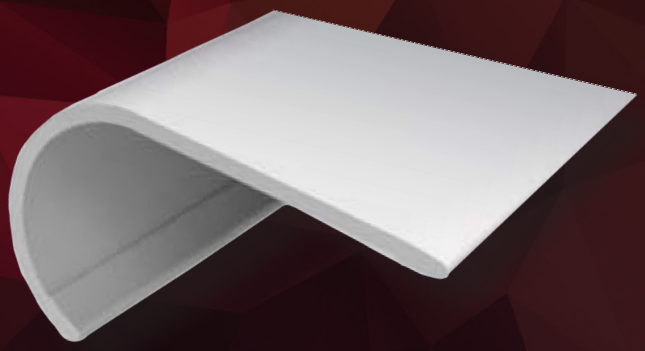
16. Caulk needs to be used to fill any gaps around treads and risers.

7834 C.F. Hawn Freeway,
Dallas, Texas 75217 | 1.800.933.TILE

To view the complete collection of Daltile® products and information, visit our website at **daltile.com/LVF.**

PROSERIES™ LUXURY VINYL FLOORING daltile

ROUND STAIR NOSE

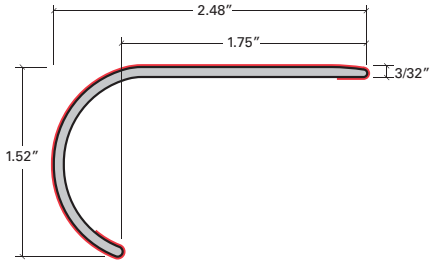


Creates a transition to the edge of the step by overlapping the flooring on the back end. Can also be installed flush on floors with an overall thickness up to 4 mm.*

* References to flooring thickness refer to the total thickness of all members of the floor installation being laid upon the subfloor. This typically is comprised of the flooring plank, e.g. Vinyl or Laminate, the underlayment, either attached or loose lay and any additional vapor barriers.

Note: Available for both Rigid Click and Flexible Glue Down Platforms.

Technical Information — Sizes



Round Stair Nose

The Round Stair Nose combines style and function to enhance the beauty of a staircase or step. For use on flooring with an overall thickness of up to 19 mm (0.75″).

Surface Material: High Wear Resistant Aluminum Oxide Laminate

Core Material: PVC

Shim

To be used with the Round Stair Nose for floors in flush installations *(See illustrations at bottom right).*

Material: Standard MDF/HDF

Bullnose Shim

To be used to install the RSN on **Box Staircases** to create a rounded step and to add more stabilization for the Stair Nose.

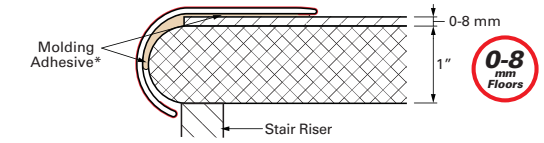
Material: Standard MDF

Installation*

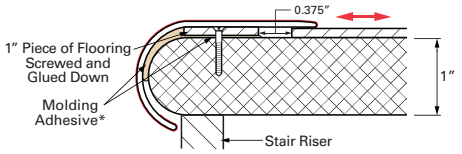
Overlap Install

"Lock-Down" Installs

Used where floating of the floor is not required, as with Stair Tread or Glued-Down/Nailed-Down floors. This can be used on floating floors where expansion and contraction will occur on the opposite side of the flooring plane.



"Floating" Install

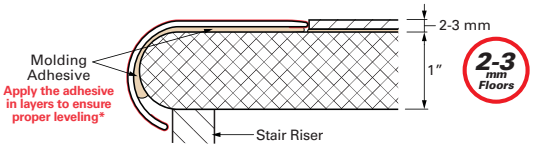


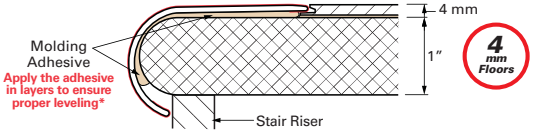
Flush Install

"Lock-Down" Installs

Used where floating of the floor is not required, as with Stair Tread or Glued-Down/Nailed-Down floors. This can be used on floating floors where expansion and contraction will occur on the opposite side of the flooring plane.

Tongue side of plank MUST face the Stair Nose. Stair Nose, Shims, and flooring planks must be glued down to subfloor.



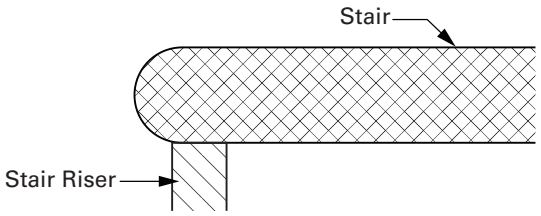


**** Premium Polyurethane Construction Adhesive***

Round Stair Nose

Overlap "Lock-Down" Installation

Flooring with an overall thickness of 0-8 mm



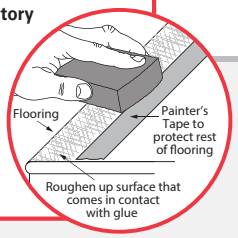
Step 1

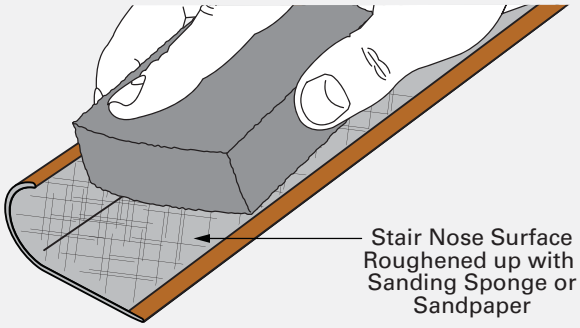
Install the riser flush to the stair. Glue down flooring planks (for more details see manufacturers recommendations). Then, clean flooring and molding as directed below:

CLEANING PREPARATION FOR BOTH SURFACES

Preparing the floor & molding as outlined is mandatory to achieve the required bonding strength

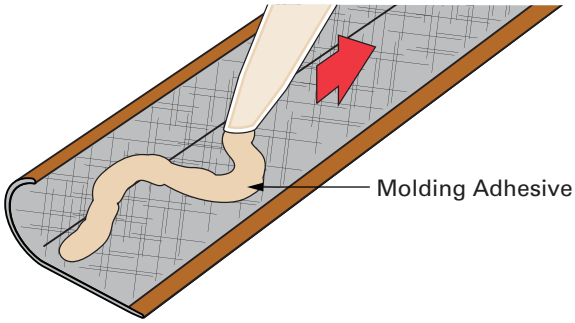
1. Use a damp cloth (water only) to clean both surfaces of loose particles or surface films.
2. Roughen the surfaces with sandpaper (100-150 grit), sanding sponge or metal brush. For flooring, only roughen up area that will be covered (1.25" to 1.5").
3. Degrease both surfaces to remove all traces of oil, grease, dust, and fingerprints by using a light solvent such isopropyl alcohol (Refer to the manufacturer's recommendations for additonal safe cleaning agents).
4. Let both surfaces dry thoroughly before applying adhesive.





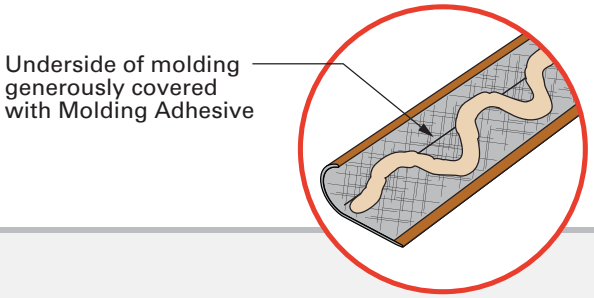
Step 2

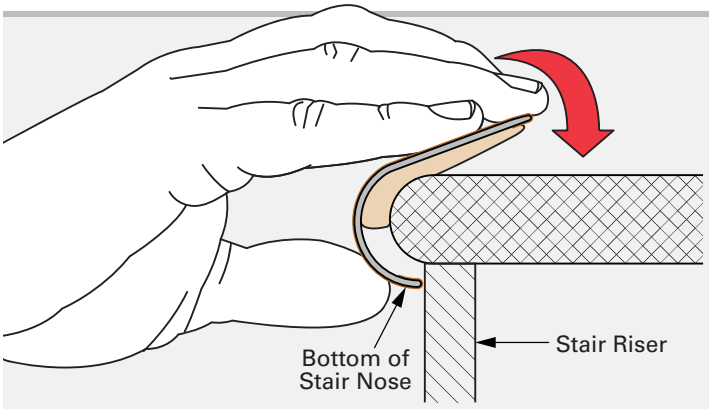
Turn Stair Nose over and roughen the inside surface of the molding to increase bond by means of 60 grit sandpaper, sanding sponge, or a metal brush.



Step 3

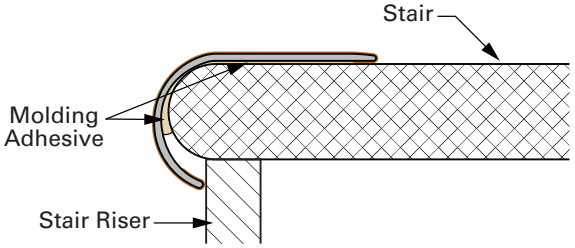
Next, apply a generous bead of a Molding Adhesive* along the entire inside corner.





Step 4

Touch the bottom of molding to the stair riser and carefully roll the Stair Nose in place. Make any final adjustments before you push the molding all the way down. Once it's in the final position, press down firmly with your hands and make your way down the entire stair nose. It may take 2 or 3 passes to set it firmly in place.



Step 5

Allow at least 24 hours for the Molding Adhesive to form a bond. You should always start at top of stairs and work your way down to avoid contact with the installed moldings until cured.

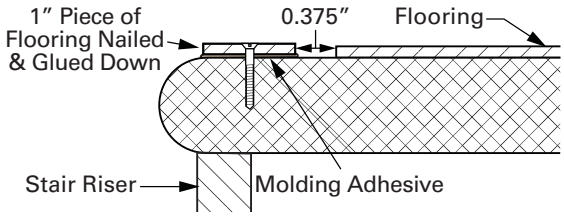
NOTE: *Complete cure takes 48-72 hours.*

**** Premium Polyurethane Construction Adhesive***

Round Stair Nose

Overlap "Floating" Installation

Flooring with an overall thickness of 0-8 mm



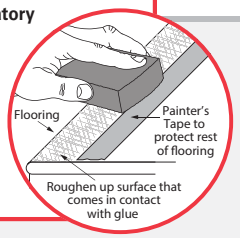
Step 1

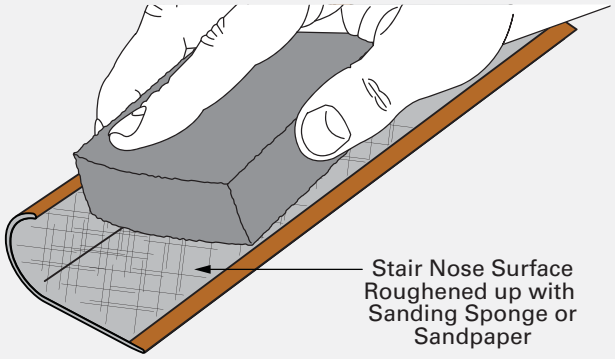
Install the riser flush to the stair. Cut a 1" wide strip of your floor. Drill, counter-sink, screw and glue it flush to the stair riser. Install flooring 0.375" from the glued down 1"strip. **DO NOT glue flooring down**. Clean flooring and molding as directed below:

CLEANING PREPARATION FOR BOTH SURFACES

Preparing the floor & molding as outlined is mandatory to achieve the required bonding strength

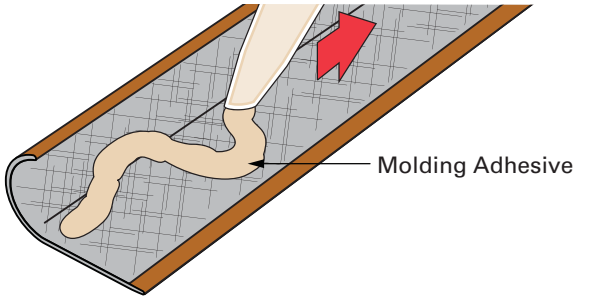
1. Use a damp cloth (water only) to clean both surfaces of loose particles or surface films.
2. Roughen the surfaces with sandpaper (100-150 grit), sanding sponge or metal brush. For flooring, only roughen up area that will be covered (1.25" to 1.5").
3. Degrease both surfaces to remove all traces of oil, grease, dust, and fingerprints by using a light solvent such isopropyl alcohol (Refer to the manufacturer's recommendations for additonal safe cleaning agents).
4. Let both surfaces dry thoroughly before applying adhesive.





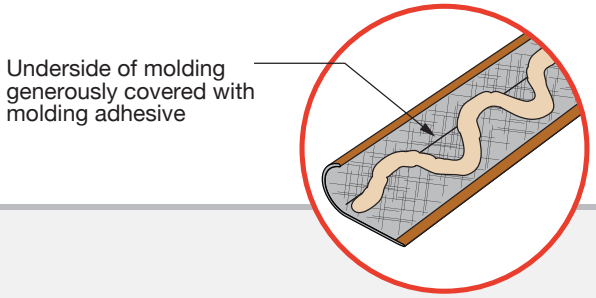
Step 2

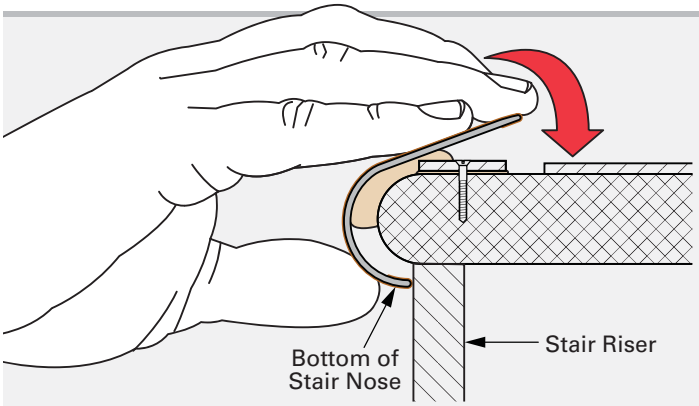
Turn Stair Nose over and roughen the inside surface of the molding to increase bond by means of 60 grit sandpaper, sanding sponge, or a metal brush.



Step 3

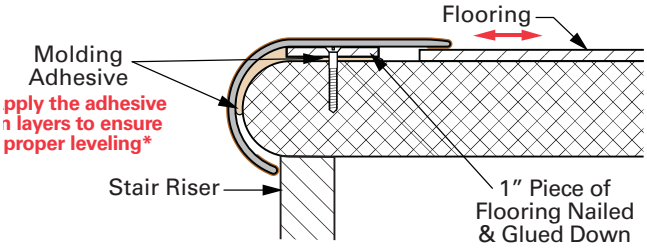
Next, apply a generous bead of a molding adhesive* along the entire inside corner.





Step 4

Touch the bottom of molding to the stair riser and carefully roll the Stair Nose in place. Make any final adjustments before you push the molding all the way down. Once it's in the final position, press down firmly with your hands and make your way down the entire stair nose. It may take 2 or 3 passes to set it firmly in place.



Step 5

Allow at least 24 hours for the molding adhesive to form a bond. You should always start at top of stairs and work your way down to avoid contact with the installed moldings until cured.

NOTE: *Complete cure takes 48-72 hours.*

**** Premium Polyurethane Construction Adhesive***

Round Stair Nose

Flush "Lock-Down" Installation

Flooring with an overall thickness of 2-3 mm

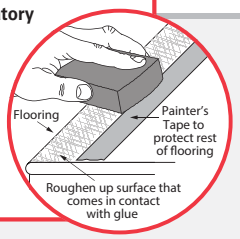
Step 1

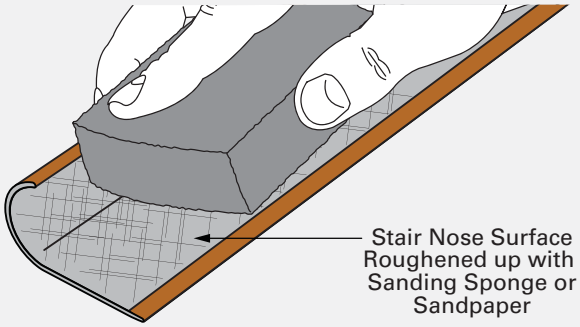
Install the riser flush to the stair. Use Stair Nose to determine where to start your flooring. Stair Nose must fit snuggly next to plank. Remove Stair Nose and **glue the flooring plank down**. **Remove underlayment 2" back** from floor before you glue plank down. Clean flooring and molding as directed below:

CLEANING PREPARATION FOR BOTH SURFACES

Preparing the floor & molding as outlined is mandatory to achieve the required bonding strength

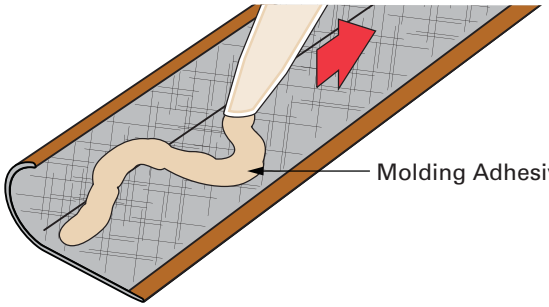
1. Use a damp cloth (water only) to clean both surfaces of loose particles or surface films.
2. Roughen the surfaces with sandpaper (100-150 grit), sanding sponge or metal brush. For flooring, only roughen up area that will be covered (1.25" to 1.5").
3. Degrease both surfaces to remove all traces of oil, grease, dust, and fingerprints by using a light solvent such isopropyl alcohol (Refer to the manufacturer's recommendations for additonal safe cleaning agents).
4. Let both surfaces dry thoroughly before applying adhesive.





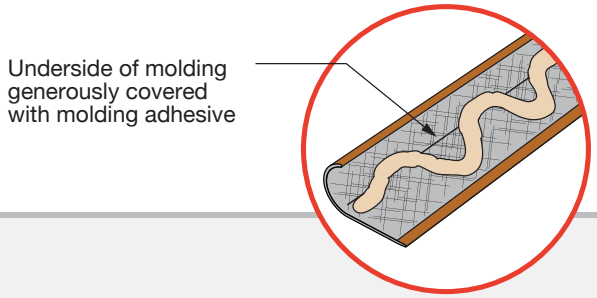
Step 2

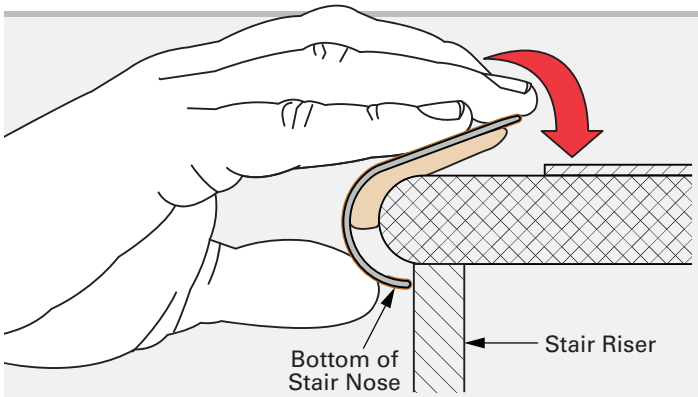
Turn Stair Nose over and roughen the inside surface of the Stair Nose to increase bond by means of 60 grit sandpaper, sanding sponge, or a metal brush.



Step 3

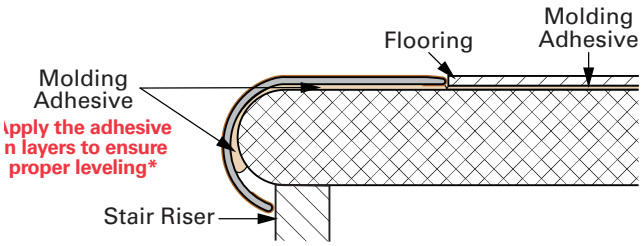
Next, apply a generous bead of a molding adhesive* along the entire inside corner.





Step 4

Touch the bottom of molding to the stair riser and carefully roll the Stair Nose in place. Make any final adjustments before you push the molding all the way down. Once it's in the final position, press down firmly with your hands and make your way down the entire stair nose. It may take 2 or 3 passes to set it firmly in place.



Step 5

Allow at least 24 hours for the molding adhesive to form a bond. You should always start at top of stairs and work your way down to avoid contact with the installed moldings until cured.

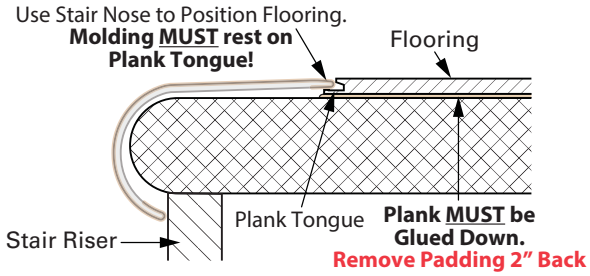
NOTE: *Complete cure takes 48-72 hours.*

**** Premium Polyurethane Construction Adhesive***

Round Stair Nose

Flush "Lock-Down" Installation

Flooring with an overall thickness of 4 mm



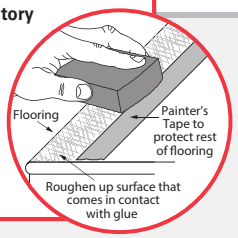
Step 1

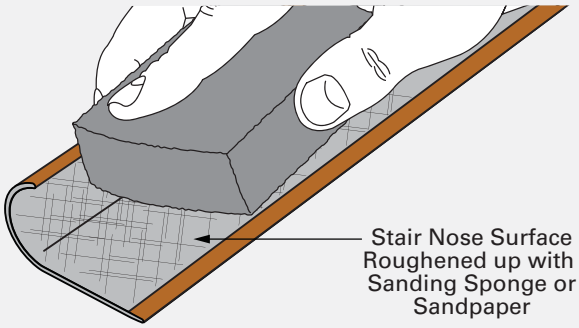
Install the riser flush to the stair. Use Stair Nose to determine where to start your flooring. ***Tongue side of flooring plank MUST face Stair Nose*** so Stair Nose can fit snuggly onto Tongue. Remove Stair Nose and **glue the flooring plank down**. **Remove padding 2" back** from plank before you glue it down. Clean flooring and molding as directed below:

CLEANING PREPARATION FOR BOTH SURFACES

Preparing the floor & molding as outlined is mandatory to achieve the required bonding strength

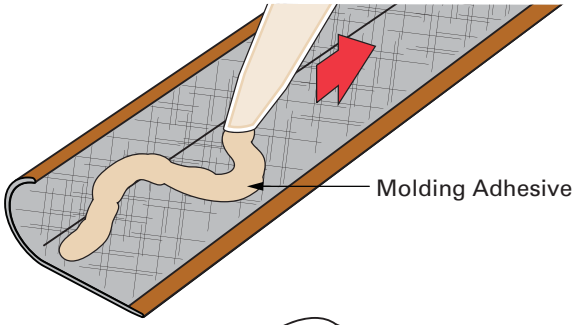
1. Use a damp cloth (water only) to clean both surfaces of loose particles or surface films.
2. Roughen the surfaces with sandpaper (100-150 grit), sanding sponge or metal brush. For flooring, only roughen up area that will be covered (1.25" to 1.5").
3. Degrease both surfaces to remove all traces of oil, grease, dust, and fingerprints by using a light solvent such isopropyl alcohol (Refer to the manufacturer's recommendations for additonal safe cleaning agents).
4. Let both surfaces dry thoroughly before applying adhesive.





Step 2

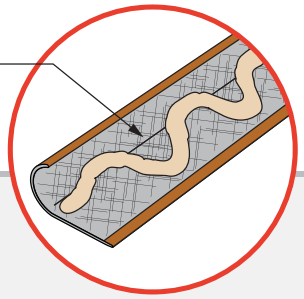
Turn Stair Nose over and roughen the inside surface of the Stair Nose to increase bond by means of 60 grit sandpaper, sanding sponge, or a metal brush.

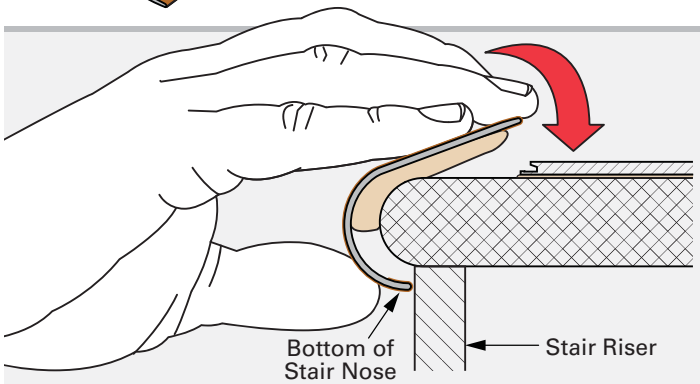


Step 3

Next, apply a generous bead of a molding adhesive* along the entire inside corner. Reveal edge of plank may show when Stair Nose is installed. To compensate, apply a little more adhesive to the molding.

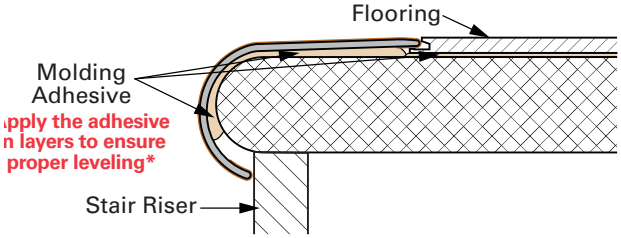
Underside of molding generously covered with molding adhesive





Step 4

Touch the bottom of molding to the stair riser and carefully roll the Stair Nose in place. Make any final adjustments before you push the molding all the way down. Once it's in the final position, press down firmly with your hands and make your way down the entire stair nose. It may take 2 or 3 passes to set it firmly in place.



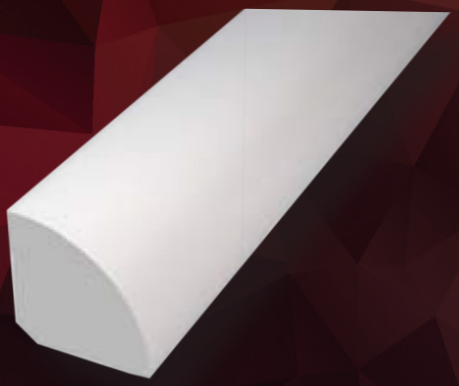
Step 5

Allow at least 24 hours for the molding adhesive to form a bond. You should always start at top of stairs and work your way down to avoid contact with the installed moldings until cured.

NOTE: *Complete cure takes 48-72 hours.*

**** Premium Polyurethane Construction Adhesive***

QUARTER ROUND



Conceals the expansion space between the wall and the flooring.

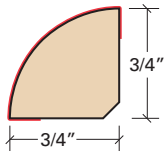
Technical Information — Sizes

Quarter Round

Quarter Rounds are used to conceal the required expansion space between the wall and the LVF. ***Available as Standard or Moisture Resistant.***

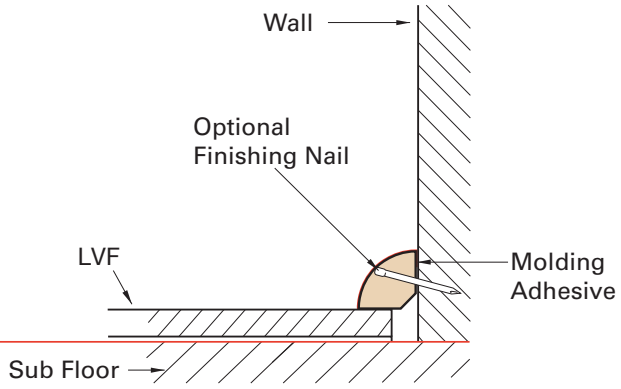
Surface Material: Decorative Paper

Core Material:
Standard Quarter Round: Standard MDF.

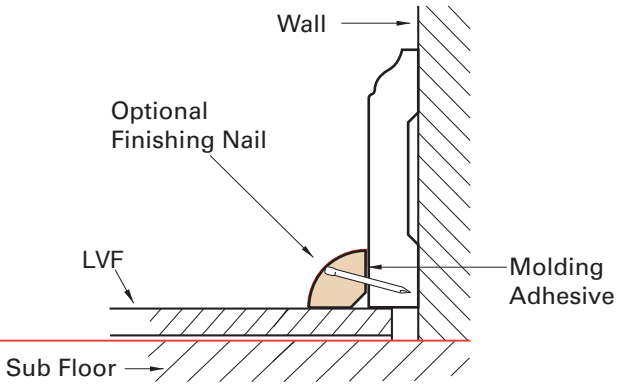


Installation

Quarter Round

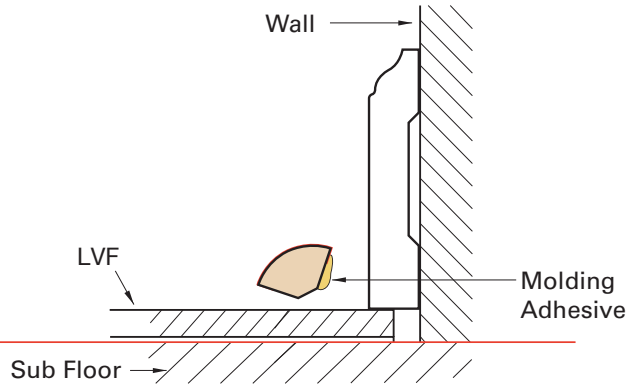


Quarter Round with Existing Wall Base



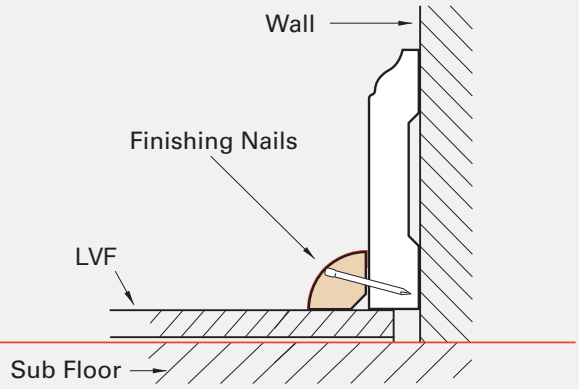
Quarter Round to an Existing Base Molding

Apply one thin bead of molding adhesive* to the back of the Quarter Round and attach it to the existing base molding. Support it with a heavy object until the adhesive has cured so it won't pop off the wall (about 24 hours).



Step 1

Optional Step: Use finishing nails in the Quarter Round every 16 inches. Finish up the nails with a color matching Color Fill!

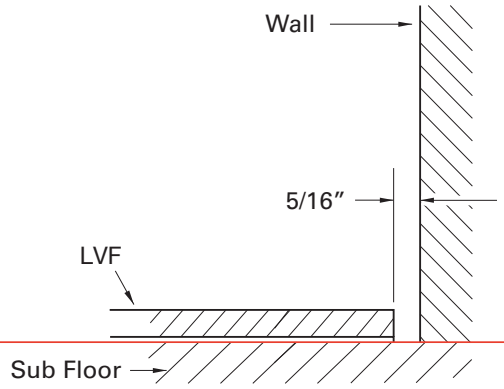


Step 2

**** Premium Polyurethane Construction Adhesive***

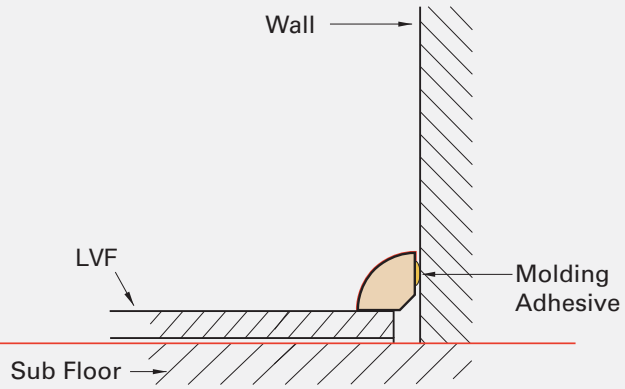
Quarter Round

Leave a gap between the wall and the floor as suggested by the manufacturer of the floor, but no more than 1/2" to allow the molding to sit on the floor!



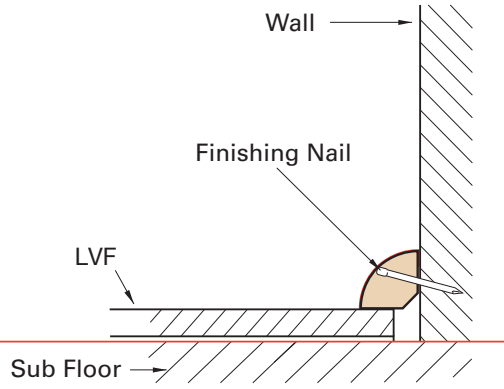
Step 1

Apply one thin bead of molding adhesive* to the back of the Quarter Round and attach it to the wall. Support it with a heavy object until the adhesive has cured so it won’t pop off the wall (about 24 hours).



Step 2

Optional Step: Use finishing nails in the Quarter Round every 16 inches. Finish up the nails with a color matching Color Fill!



Step 3

**** Premium Polyurethane Construction Adhesive***

SLIM CAP

Low profile end cap used to transition from flooring to carpet, masonry, sliding doors, and other exterior door jambs.

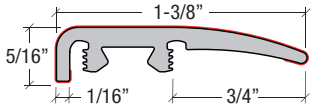
Technical Information — Sizes

Slim Cap

Slim Cap is used to transition from vinyl to carpet, masonry (fireplaces), sliding doors and other exterior door jambs.

Surface Material: High Wear Resistant Aluminum Oxide Laminate

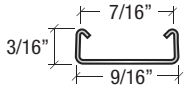
Core Material: PVC



Track

To be used with Slim Cap for floors up to 4.5mm thickness including underlayment. Also, used in conjunction with 1 Versatrack Shim for 5-9.5mm floors including underlayment and 2 shims for 10-12.7mm floors including underlayment.

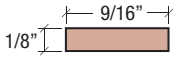
Material: Cold Roll Steel



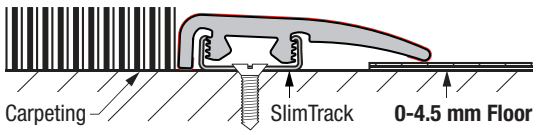
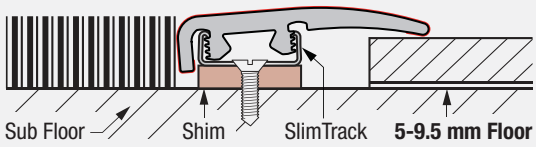
Shim

Slim Cap in conjunction with the SlimTrack or Versatrack for floors from 5mm-12.7mm thickness including underlayment.

Material: Standard HDF



Installation*

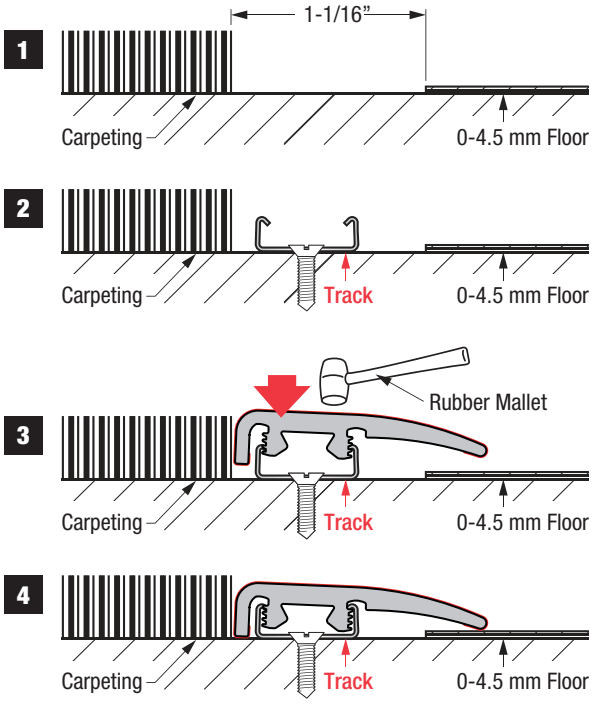
FLOOR THICKNESS:	The overall flooring assembly thickness refers to the total thickness of all members of the floor installation being laid upon the subfloor. This typically is comprised of the flooring plank, the underlayment, either attached or loose lay and any additional vapor barriers.
Track Floors Up to 3/16" (0 - 4.5 mm)**	
Track & Shim Floors 3/16 - 3/8 (4.5 - 9.5 mm)**	

*The installation instructions shown on this page are suggestions of how to install our moldings. Daltile does not assume responsibility for any product failure or liability due to installations that are in violation of the flooring manufacturer's installation guidelines and/or warranties.

**All references to flooring thickness refer to the total thickness of all members of the floor installation being laid upon the subfloor. This typically is comprised of the flooring plank, e.g. Vinyl, the underlayment, either attached or loose lay and any additional vapor barriers.

Floors Up to 3/16” (0 - 4.5 mm)

Track

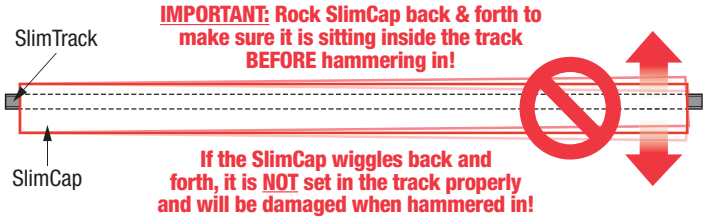


If the flooring manufacturer suggests/permits the use of underlayments, you may need to shim the track to accommodate the increase in overall thickness

Step 1: Install the flooring planks including the underlayment by leaving a 1-1/16" inch (27mm) gap for the installation of the SlimCap molding.

Step 2: Place the Track between the carpet and the flooring. Use the molding for a guide. Screw it to the subfloor by using #6x5/8” screws.

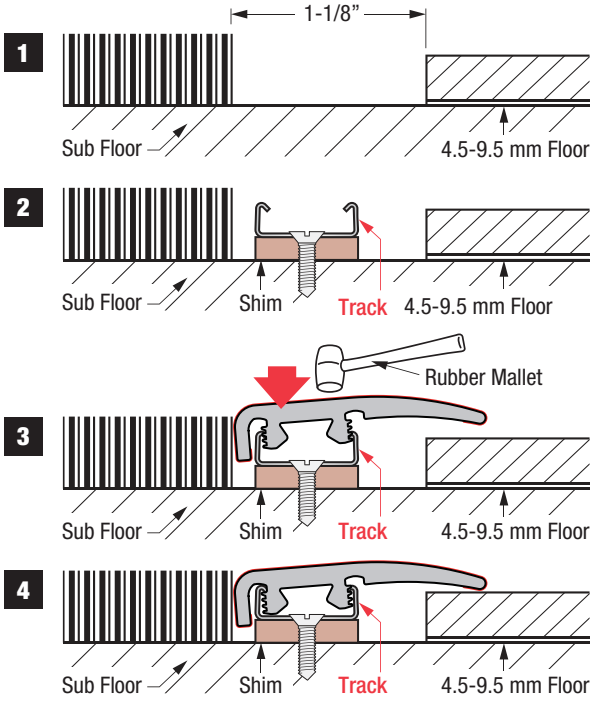
Step 3: Line the SlimCap up with the track and fit one end into the molding. Using a rubber mallet, tap the molding until it engages with the track. **Use your hand to guide the molding into the track as you work your way down**, tapping it in, similar to how you would close a zip-loc bag.



Step 4: Next, go up and down the molding several times, tapping the SlimCap all the way into the track. You can use a little more force once you are sure it is properly engaged in the track.

Floors 3/16 - 3/8 (4.5 - 9.5 mm)

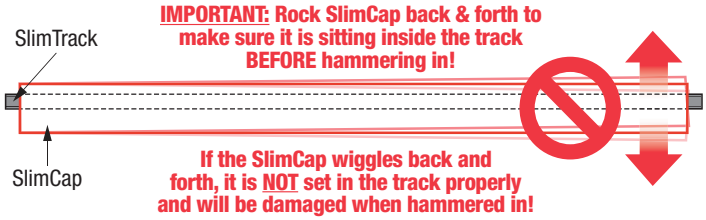
Track Track Shim



Step 1: Install the flooring planks including the underlayment by leaving a 1-1/16" inch (27mm) gap for the installation of the SlimCap molding.

Step 2: Place the Track and shim between the carpet and the flooring. Use the molding for a guide. Screw them to the subfloor by using #6x5/8” screws.

Step 3: Line the SlimCap up with the track and fit one end into the molding. Using a rubber mallet, tap the molding until it engages with the track. **Use your hand to guide the molding into the track as you work your way down**, tapping it in, similar to how you would close a zip-loc bag.



Step 4: Next, go up and down the molding several times, tapping the SlimCap all the way into the track. You can use a little more force once you are sure it is properly engaged in the track.