## Ю९lifeproof


$\triangle$ CAUTION: DO NOT NSTALL IN all exterior instalataions, seasonal porches, boats, campers, WV's, sunfrooms, solariums, non-temperature controled rooms or homes.

## Safety and Health Precautions

## 

## arranty



## Pre-Installation

## .

 merform pre-instal inspection. for claims purposes, you are allowed to open up to 4 Boxes for proouct inspection. do not open all the

 Prior to installation, rack up plankststies strom several boxes to ensure unitior distribution of colors, shades and characters in the installed flooring. Planksstilies
Purchase flooring to be installed in one large reea at the same time. Product purchased ata later time than the first purchase may vary beyond your
Accessories, trims and moldinins are manuractured to coordinate with the varied appearances of the floor plankstilies. Any exact matches are coincidental. Non-
matcthing accessories are not defective products.
This roaduct is manufactured accororing tos stritct uuility standards. In the event that defects are discovered in the field, the industry standards permita d defect


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lilicking noisises ere the ressulto of interactions among floorng.j.jists and subfloors when they move. Sometimes, itis ismpossible to e elimininate them completely and
ninor licking
O Importan:: With square edge products, some ledging can be visible up to a 15 mm variance.
To assure the waranty is not nadveretently voided, before proceeding with any activity that is not covered in this manual, please contact our Customer 14.685-7368.

## Concretet subtion mors must

## Have minimum rated strength of 3000 psi. <br> Be level to within $3 / 1 / 6$ in. ina 10 ftt. span; no bumps or low spots. High spotst can be removed by grinding; depressions can be filled with patching



$\square$ Be tree from misisture
Test all concretes subfiforcs for moisture content and document the results with a photo. For full waranaty coverage, we recommend documenting your test results
Perform tests at tocations around exterior doorways, near walls containingng plumbing, near foundation walls and in the center of the room. Minimum sample size

Moisture content should meet one of the following criteria:
4\% max. when tested using Tramex Concrete Misture Encourter vever bare concrete with no adnesive or sealer.
Less than 8 pounds per 1000 sq. ft. per 24 hours when using Caid
$85 \%$ max. when using Realitive Humidity
NoTE: Concrete moisture content may be acceptable the time of the est. These testst do not guarantee a perpetual "dry" concrete sab. The concrete slal

## Ood Subfloor requirement

The subfloor must be clean; no p pesesnce of construction debris, soil, mud and any other objects on or a ahering to the floor; no protrusions of nails, sebiris, or

Pai al shortcomings before instalation.
 vells should not exceed $14 \%$
OCYWOOS DR ORIENTED STRAND BOARD (OSB) SPECIFICATIONS
 expansion space en on tongue and g froveve panels. PARTIILLE BOARD OR FIIER BOARD

## EXISTING FLOORS


 be taken for your satety. Contact a professional immediately yor inspection and removal.
Ceramic tilis and terazazz: Old flat teramict cties sormally do not require removal. Grout joints wider than $1 / 1 / \mathrm{in}$ in. Must befiled. Usually HoC Plank products

Do ont install over more than one laye of $f$ vinyl.
 JOB SITE CONDITION
Prior It instalation, the in
 Helative humididit, and all ilimpacting variables
impopoer installation or por site conditions.
STORAGE AND CONDITIONS
 reauired befire, durin
duutst or direct sunigh

## EXISTING HOME An exising home sin


 All work inction OR REMODE
dilivery: Ensurure that the bubulding pous is eng losement concrete floors, drywall and plasterwork, plumbing, etc. must be completed well in advance of the floor
 system to be operating before, , urinin and after instatlation, a temporary heating and/or defumidififation system that simulates normal living (occunied)
 recommended installation area






 BASEMENTS AND CRAWL SPACES
Concrete stab or ground must be dyy. Ensure that craw spaces have open vents year round to onsure proper air circulation and prevent moistrue build upp should de no no ess than 18 in. and the perimeter vent trea should be equal to $0.5 \%$ of the total square footage of the craw space or as mandated by code. RADIANT HEATED SUBFLOOR




## MOIGURE BARMIERUNDERLAYMENT PADDIN

CoNCREETE SUBELOOR
When instaling over a


tools and materials basics
Tape measure, Utility knife, Eye protection, (loves, Tapping block, Sott-taced hammer, Pull bar, $1 / 14$ in. spacers, Level, Reciprocating saw (optional), Miter or
circular saw (Optional), Knee pads (optional).

## Helpful Pointers

GENERAL TIPS
.
Lseminimum length of the first and last plankたile is is in. It the last planktilie will
O IMPORTANT: Never hit the flooring directly with a tapping block and be careful not to fracture flooring edges.
For plank instalation, we recommend stagerining the end joints a minimum of 6 inches.
For tile installation, we recommend stagesing the end joints a minimum of 3 inches.
NOTE: DO not instal four corners together, as this will not rovide a stable installation.

## CUTING THE LAST ROW eng Witen the entire ength of the las



## Preparing for Installation






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| 17 | $\xrightarrow{\square}$ |
|  | 足 ${ }^{1}$ |
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|  | $\begin{gathered} \text { YES } \\ \text { H } \\ \text { PATTERN } \end{gathered}$ |

## Installation

| a. It is recommended that installation begin in a corner of the room. Between the fir <br> of flooring and the wall, insert spacers so that a $1 / 4 \mathrm{in}$. ( 6 mm ) gap is created. <br> b. When installing the first row, insert the short edge of one plank into the short edg <br> another plank at a slight angle and rotate downward. Continue to complete the sta |
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2. INSTALLING THE SECOND AND REMAINING ROWS
 . At a slight angle, insert the long edge tongut of the first plank in row 2 intot the long edgg
groove of the plank in ow 1 unit the plank edges meet, and then rotate down until the groove ofthe
joins ock
c. When
oining
When jinining the next plank to the first plank in the row, join the shortside edges first.
There will
an
a gap on the long side
 You uush the plank in until the long edge of the plank meets the long edge of the firstr ow.
Rotate downward on the plank until the ioint locks e. Ater tapping the ol ong side pide jint unt closed, close iose the shortre edge joints using a tapping block R. Repeat theses steps to complete the instalation.



3. INSTALLING THE LAST ROW a. For the last row, aliang the plank to be used on top of the 2nd to lost row. Using a full
 b. hammert to closest the gap. or puinging the long side joint losed, close the short edge joints using a tapping block
4. INSTALLING AROUND FIXED OBJECTS
.a. Alow $1 / 4$ in. (6 6 mm expansion space around dipes or other fixed objects.
 Clicict the planks together on the short side and drilla hole centered on the joint between
the two planks. Then instal the planks. C. For a doouble pipe, riilila holece equivalen
a. or a double pipe, driila a hole equivilent to the diameter of the pipe plus $1 / 2 \mathrm{in} .(13 \mathrm{~mm})$
 edges of the piece you uut out, glue
the cut-out piece and the subfor.
5. FINISHING THE INSTALLATION
a. Remove al spacers.
b. Fill any expansion s

Withy peremiun, waterprocoof $100 \%$ siliconene caulk. room or area that is larger than 100 lineal feet ( 30.5 meters) in any diriection, so that the filor is separated into sections that are no alager than $100 \mathrm{ft} . \times 100 \mathrm{ott}$. 33.5 m meters $x$ . 30.5 meters) per section.
or screws to enter the flooring ornanion exap. Whension instantiling moldings, neveranalow wails .


© NoTE: Rooms larger than 1500 sq. ft. (50 ft. $\times 30 \mathrm{ft}$ ) require the use of coordinating - -molding transitions. Doorways and archways less than 4 tt wide also require the use of $T$-molding transitions.


## Accessories

Pictures are for gen
$\square$ Clean the floor
Install or reinstall all wall trim pieces. Nail them through the wall, but not to the subfloor to avoid restricting the expansion gap.
Anstal transition trim pieces. Nail them tot the subfloor, not the flooring.
At doormays, transitions should be used to protect the edges of the floor and to provide a decorative
$T$-Molding: Used to create a transition between floo coverings of similiar heights ort o cover an expansion gap.


Hard Surface Reducer: Used to transition to another hard surface flooring of different heights such as tile, vinyl, or concrete


Stair Nose: Used in conjunction with flooring installed on stair steps or finisheed edges of a higher e Ievel lloor ike in a sunken living roon


Quarter Round. Used to cover the expansion space between the wall base and your flooring. It can also be used tom make smotht transitions be
fioor and cabinety. It can be used with or without wall base modiding. Ensure you nail the quarter round to the wall and not the eflooring, as shown.


## Care and Maintenance

## DAIIY MAINTENANCE

Sweep, dust, damp mop, or vacuum your floor regulary to remove any particles that could cause abrasion or scratch your floor
A cAuTION: Vacuums with a beater bar or power rotary brush head can damage a floor and should never be used.
Use a damp mop to remove spots and soil. Use any high-quality, pH-netrar viny cleaner. Atternatively, use a non-rinsing, biodegradable cleaner that leaves no residue or haze
Do Not use detergent based cleaners.
$\square$ Do NoT use an abrasive mop and shine products.
Do Not ammonia or bleaches
Do NOT use steel wool or scouring powder which will scratch the fio
Do Not use any dust cleaners, as they may cause your floor to become silick or damage the finish.
Avoid spills of paints, dyes, or harsh chemicals
Avoid long term exposure to direct sunlight. Use window treatments or UV tinting on window
BRANOED OR OFF-THE-SHELF FLLOR CARE PRODUCTS
tore bought rooduct, test the product in a non-conspicuous area (i.e., closet, correr, or scrap pieces) for potential adverse side effects.
Protect yourf loor when using a dolly for moving furniture or appliances. Protective sheets and/or plywood may be needed. Nevere slide or roll heavy furniture or appliances across the floo
Se lia tloor protectorors (nylon or fett) on all lurniture legs. Clian protectors periodicially to remove grit that may become embedded and cause scratching
P Avoid excessive exposurue to water from being tracked in during periods of inclement weather.
Minimize abrasive material and dirtby py placing mats on both sides of exterior doors and by using area rugs in high-tratific areas
R Rearrange furniture and rugs periodically to avoid uneven color and shade changes from light exposure.
Use protective mats beneath roling chairs and keep furniture casters slean
Use NoN-RUBBER backed mats at all entrances to reduce the walk-off residue from asphalt driveways as well as prevent dirit and grit from being tracked ont your floor. Rubber backed mats can discolor your flion.
$\square$ We recommend the use of a hard surface (non-studded), non-rubber chair mat to protect your floor from office chairs with casters. Light, rolling furniture should be outifited with broad-surface, non-staining casters that have been engineered for hard surface floors. Such casters should be a minimum of 1 in. $(2.5 \mathrm{~cm})$
Keep pets' nails trimmed.
Remove shoes with cleats, spikes or exceptionally pointy heels before walking on the flo

