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- Time at which to install hardwood flooring: Lay only after sheetrock and tille work to ille to the state of the state

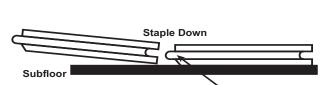
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Staple or Nail Engineered Plank Hardwood Flooring: The first and action of the state of the stat

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When installing wider plank wood floors (5" and wider) flooring movement due to seasonal changes may be reduced by utilizing both glue and the metalling wider plank wood floors (5" and wider) flooring movement due to seasonal changes may be reduced by utilizing both glue and the metalling wider plank wood floors (5" and wider) flooring movement due to seasonal changes may be reduced by utilizing both glue and the metalling wider plank wood floors (5" and wider) flooring movement due to seasonal changes may be reduced by utilizing both glue and the metalling wider plank wood floors (5" and wider) flooring movement due to seasonal changes may be reduced by utilizing both glue and the metalling wider plank wood floors (5" and wider) flooring movement due to seasonal changes may be reduced by utilizing both glue and the metalling wider plank wood floors (5" and wider) flooring movement due to seasonal changes may be reduced by utilizing both glue and the metalling wider plank wood floors (5" and wider) flooring movement due to seasonal changes may be reduced by utilizing both glue and the metalling wider plank wood floors (5" and wider) flooring movement due to seasonal changes may be reduced by utilizing both glue and the metalling wider plank wood floors (5" and wider) flooring movement due to seasonal changes may be reduced by utilizing both glue and the metalling wider plank wood floors (5" and wider) flooring movement due to seasonal changes flooring movement due to seasonal should subflood subfl have direct contact with the wood subfloor. Utilize a premium grade urethane construction glue (such as Liquid Nails® or Locktite® Urethane Wood to Wood Glue ) and apply glue in a serpentine fashion to



Proper location for Staple

RADIANT HEAT (OAK ONLY) - See next page.

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tiple(65000 title ngth (3000 lbs. Food difficished Poducts DB on orbst staters and Disconnocountable colorated in application of the state of Concrete or plywood type subfloors RADIANT HEAT (OAK ONLY) - See below. See below. Gancrata of Representational Bull of the Radiant Heat Baldikin of Heat Bal **Mad Cale (Oak ONLY)** untaldieari: Sullyfloogsauheor above grade. The maximumTtle maximumofe The maximum of the maxim hinf delthibelce nelen europe and the company of the contract o kelenvitthahealtasvatem) manufacturer.) exceed 80°F (Chousehold COFF (Chousehold COFF) det Traista (Concrete Moistlife rrect walf Ende on prede Luve di Findappe sidel the atting tiples, check with iddialitiyshows possibilite of facturer smanufactures stationer tatalreidielistiggested guidelines. 16 Schlobide (Test. See besting pipes Intelaction pipes in tellibration pipes in tellibr will be dissiliation hatel comming the second secon vitantskildstoplywood subfloor. semmining/metative hBAfidify/iSAtallaBBfefor translabledBeforiains delinierán midiat di espaia pps content of the mappor relatively the compression is a compression of the compression simument to available. One to two ldévédő atemi days before the classic fire delication designations to the control of the contro installation, suibistallablations subdifferent and the first of the control of th iet/73/libs/applop to 7 libs/Papplempera Boost demisenta Rospolitical description descript looring manuffactoring grape of a fall to enhoustvaktbærmeed 8 watts per

### IMPORTANT HEALTH NOTICE FOR MINNESOTA RESIDENTS:

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made floor. Concrete

SOME OF THE BUILDING MATERIALS USED IN THIS HOME (OR THESE BUILDING MATERIALS) EMIT FORMALDEHYDE. EYE, NOSE, AND THROAT IRRITATION, HEADACHE, NAUSEA AND A VARIETY OF ASTHMA-LIKE SYMPTOMS, INCLUDING SHORTNESS OF BREATH, HAVE BEEN REPORTED AS A RESULT OF FORMALDEHYDE EXPOSURE. ELDERLY PERSONS AND YOUNG CHILDREN, AS WELL AS ANYONE WITH A HISTORY OF ASTHMA, ALLERGIES, OR LUNG PROBLEMS, MAY BE AT GREATER RISK. RESEARCH IS CONTINUING ON THE POSSIBLE LONG-TERM EFFECTS OF EXPOSURE TO FORMALDEHYDE.

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REDUCED VENTILATION MAY ALLOW FORMALDEHYDE AND OTHER CONTAMINANTS TO ACCUMULATE IN THE INDOOR AIR. HIGH INDOOR TEMPERATURES AND HUMIDITY RAISE FORMALDEHYDE LEVELS. WHEN A HOME IS TO BE LOCATED IN AREAS SUBJECT TO EXTREME SUMMER TEMPERATURES, AN AIR-CONDITIONING SYSTEM CAN BE USED TO CONTROL INDOOR TEMPERATURE LEVELS. OTHER MEANS OF CONTROLLED MECHANICAL VENTILATION CAN BE USED TO REDUCE LEVELS OF FORMALDEHYDE AND OTHER INDOOR AIR CONTAMINANTS.

IF YOU HAVE ANY QUESTIONS REGARDING THE HEALTH EFFECTS OF FORMALDEHYDE, CONSULT YOUR DOCTOR OR LOCAL HEALTH DEPARTMENT.

**WARNING:** Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection.

For more information go to www.P65Warnings.ca.gov/wood

COMPLIES WITH EPA TSCA Title VI and CARB ATCM PHASE 2 COMPLIANT for FORMALDEHYDE

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3/8" or 1/2" (3" or Wider **ENGINEERED ONLY**)

## FLOATING INSTALLATION

Inspect **ALL** materials carefully **BEFORE** installation. Warranties **DO NOT** cover materials that are installed with visible defects.

It is the responsibility of the installer/owner to determine if the job site sub-floor and job site conditions are environmentally and structurally acceptable for wood floor installation. Great Lakes Wood Floors declines any responsibility for wood floor failure resulting from or connected with sub-floor, subsurface, job site damage or deficiencies after hardwood flooring has been installed.

In addition to the normal staple or glue installation, the above mentioned 5" wide material can also be used with the floating installation method in residential settings.

Please refer to instruction sheets (enclosed in each box of flooring) for instructions on sub-floor conditions, such as flatness and moisture.

Underlay for floating shall be closed cell foam, with a maximum 1/8<sup>th</sup> thick with moisture barrier.

Tongue and groove should be glued together using a tite bond type white water proof glue or equal.

Expansion space should be ½" at all walls plus any vertical obstructions.

Do not install cabinets or walls on top of a floating floor.

Radiant heat systems use Oak Species only.