



HOW TO INSTALL THREE-LAYER HARDWOOD FLOORBOARDS WITH 5Gc **LOCKING SYSTEM – FLOATING / GLUEDOWN / STAPLE-DOWN INSTALLATION**

1. GENERAL GUIDANCE - BEFORE STARTING

The packs containing floorboards must be handled carefully during transport and unloading to avoid any mechanical damage. Floorboards in the original packaging should be kept in a dry place, in a horizontal position, on pallets or wooden beams to provide free space of at least 75 mm (3") between the boxes and the subfloor. Before the floor is delivered to a building provided with doors and windows, all "wet" works must be completed, e.g. plastering, construction of partition walls, screed application, skimming, painting, etc. These works must be finished and any wet materials must be at the same humidity level as during the normal use of the area. If there are any cellars below the floor installation area in the building, they must be dry and well ventilated. Multi-layer hardwood flooring should be kept in the original packaging in the room where it is to be laid for at least 48 hours to ensure floor is acclimated. Additional air-conditioning systems installed in the house or dwelling should be activated at least 14 days before, during and after the installation of the floor. The relative humidity in the area where the hardwood flooring is stored and installed should be kept between 45%and 60%. The air temperature should be between +64.4°F and +75.2°F (+18°C to +24°C). The moisture content of the wooden substrate (wood-based panels) should not exceed 9%. The moisture content of the concrete substrate should not exceed 2% and that of the anhydrite substrate - 0.5%. The moisture content of the substrate should be measured using the carbide method. The measurement results should be recorded.

Responsibility

Before fitting the multi-layer hardwood floor, the developer/fitter or technician must ensure that the installation site meets all the applicable standards. Always comply with the recommendations of the building industry and local regulations. The manufacturer accepts no liability for improper working conditions on the installation site. Before installation the developer/fitter or technician should inspect the multi-layer hardwood floorboards and confirm that they comply with the purchase order. The floorboards should be inspected for the grade. quality, finish, gloss, color, mechanical damage and class of the top layer (all the information is provided on the label and/or in the purchase order). The developer/fitter or technician is fully responsible for the final quality control of the multi-layer floorboards. Before installation. all the multi-layer hardwood floorboards should be checked. If in doubt, the developer/fitter or technician should not use any of the boards considered to be unsuitable for installation and he/she should contact the seller immediately.

When ordering the floor, a waste factor of up to 7% should be taken into account. If the boards are to be laid diagonally or connected along a curved line with other floor types, a waste factor of up to 10% should be taken into account. The manufacturer accepts no responsibility if the floor is laid outdoors, in bathrooms, in areas exposed to relative humidity levels other than from 45% to 60%, in areas exposed to direct contact with water or other liquids, in areas where the temperature is other than from +64.4°F to +75.2°F (+18°C to +24°C) The final inspection by the end user should be carried out while in the standing position.

Important for fitters

Sawing, sanding and processing of hardwood products and wood-based materials can produce wood dust. Airborne wood dust can cause irritation of the respiratory system, eyes and skin. The International Agency for Research on Cancer (IARC) has classified wood dust as

Precautions

If electric saws are used for cutting boards or wood-based materials, they must be provided with dust extractors. The fitter should always use an appropriate NIOSH-certified dust mask and safety goggles during cutting operations. Always protect your eyes and skin against contact with wood dust. In case of irritation from wood dust, rinse the eyes or skin with clean water for at least 15 minutes. If you have any questions about the installation and maintenance of the floor or you would like

to receive a Safety Data Sheet, please contact us by e-mail at info.usa@barlinek.com, or visit our website at www.barlinek.com IMPORTANT HEALTH INFORMATION ALL OF OUR NORTH AMERICAN PRODUCTS MEETS

CURRENT TSCA TITLE VI STANDARDS AND ARE CARB 2 COMPLIANT. THESE CONSTRUCTION MATERIALS CAUSE FORMALDEHYDE EMISSIONS. EXPOSURE TO FORMALDEHYDE HAS BEEN REPORTED TO CAUSE IRRITATION OF THE EYES, NOSE AND

THROAT, HEADACHE, SICKNESS AND A VARIETY OF ASTHMA-LIKE SYMPTOMS, INCLUDING SHORTNESS OF BREATH. THE ELDERLY, OLDER AND YOUNGER CHILDREN, AND ANYONE WITH A HISTORY OF ASTHMA, ALLERGIES OR LUNG PROBLEMS MAY BE AT HIGHER RISK. RESEARCH INTO THE POSSIBLE EFFECTS OF LONG-TERM EXPOSURE TO FORMALDEHYDE ARE ONGO-ING. INSUFFICIENT VENTILATION MAY CAUSE THE ACCUMULATION OF FORMALDEHYDE AND OTHER AIRBORNE CONTAMINANTS INDOORS. FORMALDEHYDE LEVEL IN THE AIR TENDS TO INCREASE WITH HIGH TEMPERATURES INDOORS AND HIGH HUMIDITY. IF YOUR HOUSE IS EX-POSED TO EXTREME TEMPERATURES IN THE SUMMER, YOU MAY USE AN AIR-CONDITIONING SYSTEM TO CONTROL THE TEMPERATURE INDOORS. OTHER UNITS AND SYSTEMS DESIGNED FOR CONTROLLED MECHANICAL VENTILATION MAY ALSO BE USED TO REDUCE THE LEVEL OF FORMALDEHYDE AND OTHER AIRBORNE CONTAMINANTS INDOORS.
IF YOU HAVE ANY QUESTIONS ABOUT THE HEALTH EFFECTS OF FORMALDEHYDE, PLEASE CONSULT YOUR DOCTOR OR A LOCAL HEALTH CARE CENTRE.

WARNING:

IF THERE ARE ELASTIC FLOOR COVERINGS AND ASPHALT-BASED ADHESIVES IN THE HARD-

WOOD FLOOR INSTALLATION AREA, AVOID GRINDING, DRY SWEEPING, DRY SCRAPING, DRILLING, SAWING, SHOT-BLASTING AND USING MECHANICAL METHODS FOR REMOVING THE EXISTING FLOOR COVERINGS, FLOOR SUBSTRATES, ASPHALT-BASED ADHESIVES OR ANY OTHER ADHESIVES! The existing materials may contain aspestos fibers and/or crystalline silica. Avoid the formation of dust. Inhalation of dust creates the risk of cancer and respiratory problems. If a product

is not known to be free of asbestos, it should be presumed to contain asbestos. Smoking by people exposed to contact with asbestos fibers significantly increases the risk of serious injuries. Under regulations of law it may be required to test materials for the asbestos content as well as to follow specific procedures for their removal and disposal. For guidance on the removal of resilient floor coverings, see the current edition of the guidebook published by the Resilient Floor Covering Institute (RFCI): Recommended Work Practices for Removal of Resilient Floor Coverings' or contact your local retailer or Barlinek USA Corp., by e-mail at info.usa@barlinek.com Hardwood floorboards manufactured for Barlinek USA Corp. delivered in this pack DO NOT CONTAIN ASPESTOS

2. STANDARDS REQUIREMENTS FOR SUBSTRATE

The purpose of the recommendations for the quality of the substrate is to ensure the correct installation of multi-layer floorboards. They are in no way intended to replace any federal,

state or local building regulations. Multi-layer floor can be laid on substrates which meet the following standard requirements: Flat - the maximum unevenness of the substrate should not exceed 1/8" (3 mm) over 6.56 ft

 $(2\ m)$ when measured with a level. Any recesses or uneven areas should be filled with special materials designed for this purpose. The maximum horizontal offset over the entire floor area must not exceed 3/16" (5 mm). Dry - concrete substrates should be cured for at least 60 days. The moisture content of the concrete substrate should be tested using the calcium carbide test (carbide method) and

the result must not exceed 2 % for concrete substrates and 0.5% for anhydrite substrates. The moisture content of the wooden substrate (wood-based panels) should not exceed 9%.

Clean - free of dirt, cement, putty, plaster, paint, oil, glue, plaster or other residues. Floors are not suitable for installation on substrates cleaned by chemical methods. WOODEN SUBSTRATE - REQUIREMENTS

Multi-layer boards can be fixed to the wooden substrate such as solid wood boards, OSBs or other boards specified below. This substrate should be permanently fixed to the subfloor (e.g. wooden beams) using staples or nails. Any "squeaky" areas should be fixed by nailing

The measurement results should be recorded

or screwing them down. The spacing between the fasteners fixing the wooden substrate to the beams should be about 6" (15 cm). Any delaminated, swollen and damp panels should be replaced with new ones. The spacing between the beams under wood-based panels should be in accordance with the relevant building regulations. The moisture content of the wooden substrate should not exceed 9% when measured with needle meter. As a manufacturer of multi-layer hardwood floors, we are not able to assess every underlay on which the floor is to be installed. The responsibility for choosing the spacing and distances, and assessing the substrate lies with the developer, engineer, architect or consumer, who are in a better position to evaluate the expected result based on test results for the floor installation area Hardwood plywood should be at least CDX class (display 1) and meet the US Voluntary Product Standard PS1 or Canadian CAN/CSA 0325-0-92 performance standards. The optimum thickness is 3/4" (19 mm) for the substrate [at least 5/8" (16 mm)] and 7/16" (11 mm)

OSBs should meet the US Voluntary Product Standard PS2 or Canadian CAN/CSA 0325-0-92 performance standard for structural coatings. Check the panel code on the underside. When used as the floor underlay, the panels should be tongue-and-groove boards laid with the impregnated side facing down. The minimum thickness is 23/32" (18 mm) for the substrate

and 7/16" (11 mm) for the underlay. Waferboards and chipboards should meet the US Voluntary Product Standard PS2 or Canadian CAN/CSA 0325-0-92 performance standards. The minimum thickness is $3\mbox{\ensuremath{\mbox{4}}{\mbox{"}}}$ (19 mm) for the substrate and 7/16" (11mm) for the underlay.

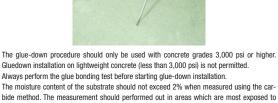
 $\textbf{Chipboards} \text{ should have a density of at least 40 pounds/cubic feet. (641 \text{ kg/m}^3), approved}$ underlay class, and 3/4" (19 mm) thickness (floating floors only). Solid wood underlay should be fitted using glue-down or staple-down installation. Thickness min. 3/4" (19 mm) and width max. 6" (15 cm) at 45° with respect to the beams. Coniferous

wood from density group 1 (pine, larch, green Douglas, etc.) No. 2 common dried wood, all

A 7/16" (11mm) floor panel of the approved type can be added for the glue-down installation **CONCRETE SUBSTRATE - REQUIREMENTS**

The glue-down procedure is not recommended for installation of multi-layer floor on lightweight concrete substrate. To check if the substrate is made of lightweight concrete, scratch

the substrate surface with steel stylus (Fig. 1). If the surface is easy to scratch and the edges of the line crumble, the concrete does not have sufficient strength for gluing multi-layer boards. If this case, you should lay a floating floor



The glue-down procedure should only be used with concrete grades 3,000 psi or higher.

increased humidity – under stairs, in corners or areas with no direct exposure to sunlight. Installation over water underfloor heating When fitting multi-layer floorboards over water underfloor heating, the screed heat-up pro-

cedure should be performed. The procedure involves heating up the floorboards at regular

intervals to eliminate any residual moisture from the screed and to avoid the risk of hazardous stress in the underlay.

For the screed heat-up procedure, see www.barlinek.com Following the underlay heat-up process, you can start laying the floor. Two installation procedures can be used for fitting floor over underfloor heating: floating and glue-down installation.

Glue-down installation over water underfloor heating When fitting a glued floor, make sure that the glue retains its properties and flexibility even when exposed to significant temperature differences. Glue is not manufactured by Barlinek,

and therefore you should use products designed for floor installation. There are special pictograms and information on the packaging to indicate if the specific glue can be used for floor installation over underfloor heating. Barlinek recommends hiring a professional floor company

for glue-down floor installation.

Floating installation over water underfloor heating

underlay materials.

When checking the underlay using a 2-m level, the offset of the underlay from the horizontal must not exceed 1/8" (3 mm) over 6.56 ft (2 m) at any point on the surface.

When fitting a floating floor, the heat transfer coefficient of the underlay should be as low as possible. Barlinek recommends using an underlay with heat transfer coefficient of R < 0.05 m² K/W, e.g. regular corrugated cardboard of thickness 1/8" (3 mm), or other professional Before installation see "Subfloor Heat-up Specifications" available on the website

After performing the screed heat-up procedure and selecting the appropriate underlay, start laying multi-layer floorboards using the procedure for installation without underfloor heating. When fitting a floating floor, Barlinek recommends using insulation foil which should be laid with an overlap of about 7.8" (20 cm) and connected with sealing tape.

All multi-layer hardwood floorboards manufactured by Barlinek can be laid over water or electric underfloor heating.

Installation of Barlinek floor over electric heating

Electric floor heating can be installed using different solutions:

Heating cables laid inside special panels made of foamed polystyrene or extruded polystyrene foam with ready-made grooves for laying heating cables. Such panels have a very high thermal resistance coefficient, which means that they can used instead of thermal insulation. Boards to be installed under hardwood subfloor do not require any subsequent screed application. If the developer, fitter or technician decides to lay screed over heating cables, multi-layer floor can be installed in two ways: as a floating floor or glued floor. The installation procedure is the same as for installation over water underfloor heating.

which are fitted immediately under the floorboards. Such heating mats (foil) are installed over thermal insulation of thickness from 1/8" (3 mm) to 1/4" (6 mm), e.g. XPS boards, wood fiber boards. The heating mats (foil) are covered with 0.2 mm thick PVC foil to protect them against damage

installed by a professional company

- made three-layer hardwood boards connected by a glue-free click locking system
- temperature differences Installation of floorboards over underfloor heating can only be started after the heating
- team. If the heating system is turned off during the screed heat-up process, the heating system should be set to 70°F (21°C) for several days before starting the installation and the floor should laid at this temperature. The screed heat-up process should also be performed in the summer. The screed heat-up procedure should only be used when laying floor over water underfloor heating. To ensure the correct installation of the floor, make sure that the humidity level does not
- appropriate humidity level for Barlinek boards is $7\% \pm 2\%$.
- in the area must be maintained at 45-60% throughout the year, whether the heating The moisture content of the screed must not exceed:
- - 0.5% for anhydrite screed when measured using the carbide method (CM)
 - To prevent uneven expansion/contraction of wood, the entire floor area should be provided $% \left(1\right) =\left(1\right) \left(1\right$ with heating. This will also help to ensure the best possible comfort of use (without any
- 'cold spots' over the floor surface). Hardwood floor installed over underfloor heating must not be covered with carpets. All
- When fitting a floating floor, insulation foil should be laid immediately on the screed. Insulation foil should laid with an 8" (20-cm) overlap and then connected with tape
- 10. Small gaps may be observed between the boards during the heating season due to the minimum expansion/contraction of wood.
- 11. At the end of the heating season, the temperature should be gradually reduced by about 33.8°F (1°C) or 35.6°F (2°C) per day. CAUTION: The temperature at the floor surface
- must never exceed 85°F (29°C).

Recommended tools and materials for floor installation: · Safety goggles

- Wood/concrete moisture meter
- Primer system for glue if required by the glue manufacturer Roller for primer application
- Steel hammer (800 g to 1000 g) Vacuum cleaner or sweeping brush
- Expansion wedges
- Tape measure
- Mitre saw or table saw
- Trimmer Trowel for glue application
- Glue remover
- Knee pads Protective gloves
- General requirements:

Before starting the floor installation, the central heating and air-conditioning systems should

The boards in the original packaging should be acclimated in the room where they will be

The floor should be laid at room temperature from $+64.4^{\circ}F$ to $+75.2^{\circ}F$ ($+18^{\circ}C$ to $+24^{\circ}C$) and relative humidity between 45% and 60%.

Do not install the floor if the moisture content of the underlay and the relative humidity exceed the acceptable levels! Always follow the instructions of the glue manufacturer during the installation. The glue cover-

Choose the direction of boards in the installation area. Work out of several boxes at a time to ensure an ever

Do not use boards which show visible signs of damage! Return them to your retailer for replacement!

When working in rooms being renovated, remove all existing skirting boards or plinths. Make

When making an off-cut in the door frame, the fitter should make sure that there is the recommended expansion gap. The floor must have a clearance of 1/16 inch under the door frame to allow free lifting without vertical restrictions. The fitter should ensure that the board under the door frame can move freely.

Do not directly use rubber hammers on the installed floorboards to avoid non-removable

marks on the surface of the boards! Avoid walking on recently installed boards for at least $12\,$



of boards. The interval between applying the glue and laying the boards should not exceed 40 minutes. When fitting boards using expansion wedges, use expansion gaps at least 7/16" (11mm) wide. An expansion gap should be made along the perimeter of the room and around any other obstructions. Start the installation at the left side of the wall and continue towards the right side.

According to the manufacturer's instructions, apply the glue using a notched trowel recom-

mended by the glue manufacturer. Glue should be distributed over a maximum of two rows





Fit the last board against the wall by tapping it with floor shunting tool. Remember to leave an

expansion gap of at least 7/16" (11mm)



BOARDS. If the floor is to be covered/secured, use breathable material such as regular or corrugated cardboard. Do not cover the floor with plastic materials, e.g. foil. For the product warranty and the floor care and maintenance guide, see www.Barlinek.com. After the skirting boards have been installed, the floor is ready for use



Read the installation guide carefully before fitting the electric heating system and have it Guidelines for fitters and users of hardwood floors over electric or water underfloor

To ensure the optimum floor covering for installation over underfloor heating, use ready-If you opt for a glued floor, make sure that the glue you have chosen to use will retain its properties and flexibility throughout many years, even when exposed to significant subfloor heat-up report has been prepared and signed by a properly qualified installation

- should not exceed 84°F (29°C) at the surface of the floorboards. The relative humidity
- 1.8% for cement screed when measured using the carbide method (CM),
- furniture placed over underfloor heating, such as sofas, should have legs at least 4" (10
- 3. GLUE-DOWN INSTALLATION

NIOSH-certified dust mask

- Appropriate glue for fitting multi-layer boards
- Putty knife for removing residues from the substrate Appropriate steel trowel recommended by the glue manufacturer
- Tapping block
- Cleaning cloths
- Floor shunting tool Carpenter's square
- remain switched on for 14 days. laid for at least 48 hours.

age rate, the correct primer and trowel should be indicated by the glue manufacturer.

whole floor.

Complaints concerning boards with visible damage which have been installed will not be an off-cut in the door frames. Remove the existing thresholds and strips from the frames. You

can replace these elements after the floor has been installed.

hours. Avoid walking on recently installed boards for at least 24 hours. Floor installation procedure: Before installation use putty knife to remove any residues from the substrate. Vacuum or sweep the surface

the longer edge.

4. FLOATING FLOOR INSTALLATION

Recommended tools and materials for floor installation

- · Safety goggles
- NIOSH-certified dust mask
- Wood/concrete moisture meter
- Putty knife for removing residues from the substrate
 Steel hammer 1.5lbs to 2.5lbs (800 g to 1000 g)
- · Vacuum cleaner or sweeping brush
- Expansion wedges
- · Tapping block
- · Tape measure Pencil
- · Mitre saw or table saw Trimmer
- · Knee pads
- · Protective gloves
- General requirements:
- Floor shunting tool · Carpenter's square

Before starting the floor installation, the central heating and air-conditioning systems should remain switched on for 14 days.

The boards in the original packaging should be acclimated in the room where they will be

laid for at least 48 hours The floor should be laid at room temperature from $+64.4^{\circ}F$ to $+75.2^{\circ}F$ ($+18^{\circ}C$ to $+24^{\circ}C$) and relative humidity between 45% and 60%.

Do not install the floor if the humidity of the underlay and the air exceeds the acceptable levels! Choose the direction of boards in the installation area. The maximum dimensions of the floor without intermediate expansion gaps are 66 ft (20 m) x 26 ft (8 m), (66 ft (20 m) along the longer edge of the board). Work out of several boxes at a time to ensure an even color and shade distribution over the whole floor

Do not use boards which show visible signs of damage! Return them to your retailer for replacement! Complaints concerning boards with visible damage which have been installed will not be

accepted! When working in rooms being renovated, remove all existing skirting boards or plinths. Make an off-cut in the door frames. Remove the existing thresholds and strips from the

frames. You can replace these elements after the floor has been installed. When making an off-cut in the door frame, the fitter should make sure that there is the

recommended expansion gap. The floor must have a clearance of 1/16" under the door frame to allow free lifting without vertical restrictions. The fitter should ensure that the board under the door frame can move freely. Do not directly use rubber hammers on the installed floorboards to avoid non-removable

marks on the surface of the boards! Floor installation procedure:

Before installation use a putty knife to remove any residues from the substrate. Vacuum or sweep the surface.





the instructions provided there





obstructions. Start the installation at the left side of the wall and continue towards the right side.



ommended offset between the board joints along the shorter edge is 20" (500 mm). Continue laying the floor across the room. Continue laying the floor across the room. Lay the boards at an angle about 30° along the longer edge.



During the installation use a tapping block and a hammer to fit in the boards together along the longer edge. Adjust the tapping block along the entire longer edge of the board and tap







 Putty Knife for removing residues from the substrate • Steel hammer 1.5lbs to 2.5lbs (800 g to 1000 g) · Vacuum cleaner or sweeping brush

· Safety goggles

- Pneumatic stapler · Zinc-plated staples of length 1.5" (38 mm).
- Expansion wedges Tapping block · Tape measure
- Pencil Mitre saw or table saw
- Trimmer Knee pads
- Protective gloves Floor shunting tool · Carpenter's square
- **General requirements:**

marks on the surface of the boards!

remain switched on for 14 days.

Before starting the floor installation, the central heating and air-conditioning systems should

The boards in the original packaging should be acclimated in the room where they will be laid for at least 48 hours.

relative humidity between 45% and 60%. Do not install the floor if the humidity of the underlay and the air exceeds the acceptable levels! The moisture content of the wooden substrate should be 9% \pm 2%.

Choose the direction of boards in the installation area. Work out of several boxes at a time to ensure an even color and shade distribution over the whole floor. Do not use boards which show visible signs of damage! Return them to your retailer for

The floor should be laid at room temperature from +64.4°F to 75.2°F (+18°C to +24°C) and

replacement! Complaints concerning boards with visible damage which have been installed will not be

When working in rooms being renovated, remove all existing skirting boards or plinths. Make an off-cut in the door frames. Remove the existing thresholds and strips from the frames. You can replace these elements after the floor has been installed.

When making an off-cut in the door frame, the fitter should make sure that there is the recommended expansion gap. The floor must have a clearance of 1/16 inch under the door frame

to allow free lifting without vertical restrictions. The fitter should ensure that the board under the door frame can move freely. Do not directly use rubber hammers on the installed floor boards to avoid non-removable

Floor installation procedure:

Before installation use a putty knife to remove any residues from the substrate. Vacuum or sweep the surface

Cut off the tongue in the boards to be installed in the first row



Before installation take out boards out of several packs and choose boards with matching color. Remember that wood is a natural product and every board is different.



wide. An expansion gap should be made along the perimeter of the room and around any other obstructions. Start the installation at the left side of the wall and continue towards the right side.



shorter edge. Begin the second row, starting with the off-cut from the first row. The recommended minimum length for the board starting the next floor row is 12" (300 mm). The recommended offset of connections between the boards along the shorter edge is 20" (500 mm). Continue laying the floor across the room. After the first floor row has been laid, fix the board tongue to the wooden substrate using 1.5

(38mm) staples. The spacing between staples should be about 11.8" (30 cm). The staples should go through the groove of the lock along the longer edge at an angle of about 30°.



longer edge.



the longer edge. Adjust the tapping block along the entire longer edge of the board and tap it with hammer.



expansion gap of at least 7/16" (11mm).



corrugated cardboard. Do not cover the floor with plastic materials, e.g. foil. For the product warranty and the floor care and maintenance guide, see www.Barlinek.com. After the skirting boards have been installed, the floor is ready for use



The Barlinek floor is factory finished and ready for use immediately after installation. However, remember that it is a 100% natural product made from wood. Water and sand are the biggest

enemies of hardwood floors. The recommendations in this section are in accordance with the requirements for compliance with the warranty conditions and they will help to extend the

Requirements for use of hardwood floors The high-quality hardwood floors manufactured by Barlinek are made of real wood. The floors provide superior performance and an excellent aesthetic finish. The manufacturer's warranty will be granted if the floor is laid and used in accordance with

the manufacturer's guidance:

or sweeping.

mechanical damage.

underfloor heating.

terial and workmanship warranty.

to 75.2°F (+18°C to +24°C). The relative humidity in the area should be kept between The maximum temperature at the surface of the boards installed over underfloor heating

The temperature in the area where the hardwood floor will be used should be from +64.4°F

- should not exceed 84°F (29°C). It is forbidden to put carpets, runners, or furniture with legs of height less than 4" (10 cm) on floors laid over underfloor heating. Floor maintenance should be carried out using only the floor care products designed for this purpose. Instructions on how to take care of the floor and the maintenance schedule
- are provided on the packaging of the floor care products and on the website www.barlinek. Never use vacuum cleaners with rotary brush which could cause damage to the floor Immediately remove any spills.
- · Vacuum or sweep the floor to remove any particles which could scratch the floor. Caution: Never use vacuum cleaners with rotary brush which could cause damage to the floor. Do not use high-pressure jet-washers or steam to clean the floor.
- · Walking in unsuitable footwear can damage the floor, causing e.g. black marks or indentations on the surface of the boards.
- Trim claws of your pets to prevent floor damage. · Do not move or roll any heavy furniture or equipment over the floor. Using floor care products other than those recommended by Barlinek may cause damage
- to the lacquer layer, color and gloss changes, spots and stains, and changes in the floor traction properties. The daily care and maintenance procedure should be limited to normal floor vacuuming

. Do not soak the Barlinek floor or wash it with wet mop. Apply the floor cleaner to the mop

- and not to the floor. Water may cause damage to hardwood floor. Never use oil- or wax-base soap or liquid detergents. Clean the floor by mopping the floor forwards and backwards. When the mop is dirty, replace it with a clean one. Cleaning the floor with dirty mop may cause streaks.
- The frequency of floor care depends on the amount of traffic. Any sand or stones tracked onto the floor should be removed as soon as possible. Sand will leave scratches in the lacquer layer, small indentations and marks in the top layer of wood. Install barrier matting at, the entrance points (entrance doors, terrace doors, etc.) of your
- new hardwood flooring to effectively prevent the spread of unwanted sand, grit, water, dirt and soil which can tracked on shoes. Use dry and soft brushes or a vacuum cleaner with soft brush to remove dust. You can also use a slightly damp cloth with or without the recommended agent for floor care and main-

tenance. Under no circumstances should any wt traces remain on the floor after cleaning.

All furniture and other equipment which remain in contact with the floor should be provided $% \left(1\right) =\left(1\right) \left(1\right) \left($

- with protective felt pads which should be replaced at regular intervals. Armchairs and other furniture items provided with wheels must be used on protective plastic mats, floor coverings or rugs to protect hardwood floor from mechanical damage. Check
- and immediately remove any sand or other particles which could be tracked under the protective mat. Failure to remove such residues can cause scratches to the lacquer layer under the protective mat. Castors in office chairs or castor furniture should be replaced with castors designed for hardwood floors (in accordance with DIN-EN 12529, it is recommended using castors with Shore hardness equal 40-50 and surface pressure 3-5 N/mm²). Under no circumstances should hardwood floor be covered with PE foil or other moisture and air-tight materials.
- Multi-layer hardwood floor exposed to sunlight (UV light) will change its original color. The floor can be refinished by sanding and re-lacquering or re-oiling. The manufacturer allows floor refinishing using lacquers or designed for hardwood floors, provided that they are applied in accordance with the relevant directions for use. The number of floor
- Before starting any mechanical refinish procedure (sanding or grinding), analyze the condition of the floor and determine if the floor can be refinished by mechanical methods Any failure to comply with the above recommendations and instructions will void the ma-

renovations consisting in "removing" the surface layer of wood depends on the depth of

Only multi-layer boards fitted using the floating, staple or glue-down installation procedure has been approved by the manufacturer for installation over underfloor heating. · Before fitting multi-layer boards over underfloor heating, the user/developer, fitter or technician should perform the subfloor heat-up procedure in accordance with the "Subfloor Heat-up Specifications" available on the website www.barlinek.com. A completed and

signed "Subfloor Heat-up Specifications" is attached as an annex to the Warranty Certifi-

cate. If the heat-up report is absent, it will void the warranty for the floorboards laid over

- When installing a floating floor, the underlay materials offered by Barlinek should be used. The use of other materials may result in improper installation of the entire subfloor If the floor needs to be refinished by mechanical methods, it should be done by a professional flooring company. For information on the installation of multi-layer floorboards over underfloor heating, see the installation guide and the websites www.barlinek.com
- IMPORTANT: The user/developer, fitter or technician is required to make sure that the cleaning staff is made aware of the above "Instructions on how to use and take care of lacquered or oiled multi-laver floors"

www.barlinek.com www.us.barlinek.com

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