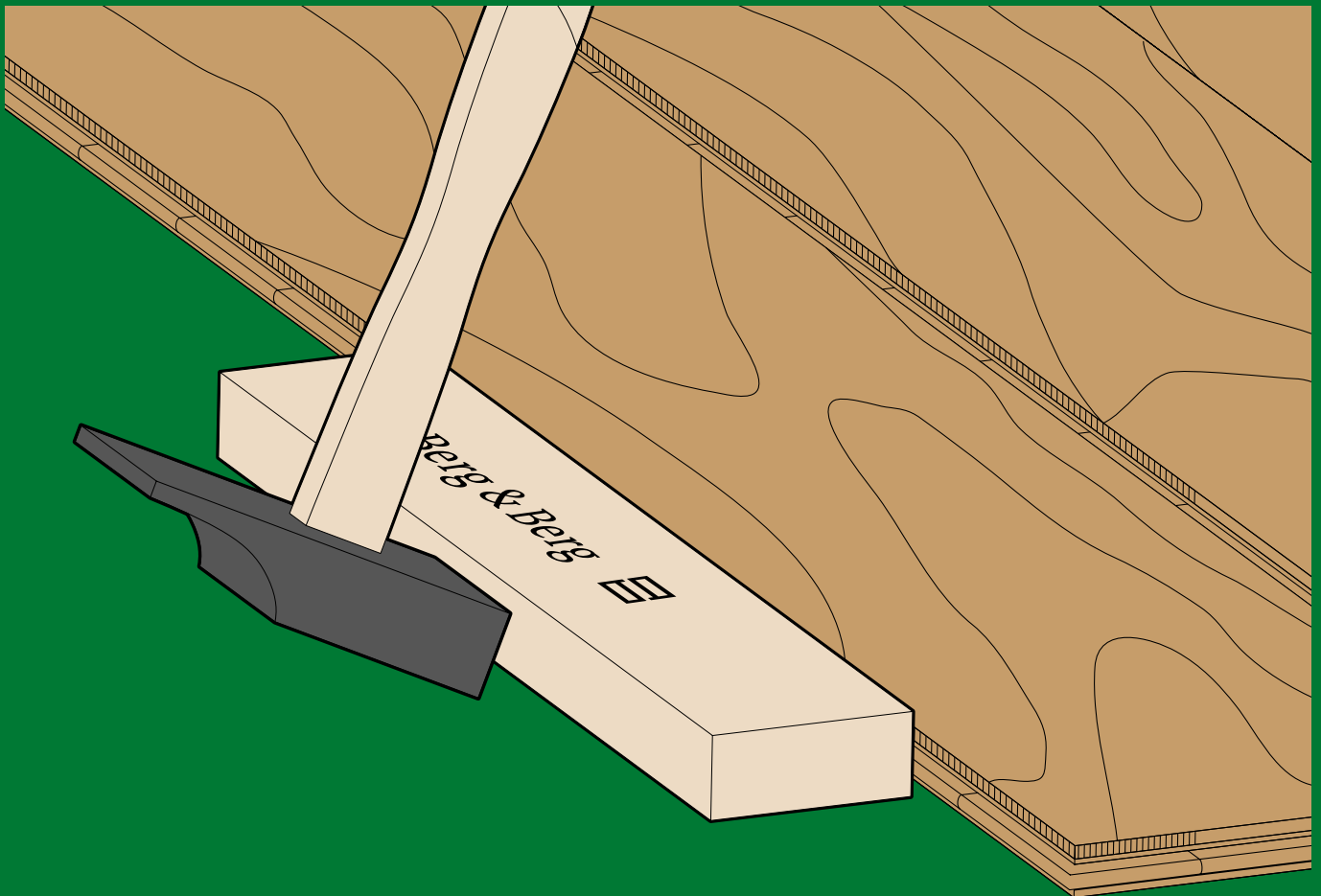


# Installation and Maintenance



# 1 | Preparation

## 1.1 APPLICATION

Berg & Berg engineered flooring can be laid as a floating floor or glued down to the subfloor. The advanced Svedloc-profile makes the installation simple, safe and durable. Berg & Berg flooring is suitable for installation on water-circulating underfloor heating (radiant heated floor).

## 1.2 AMBIENT CONDITIONS

All rooms shall be normally heated during installation (minimum 18°C/81°F), the relative humidity must be between 35% and 60%. Maintenance of the correct relative humidity during and after installation reduces the possibility of deformation and the appearance of small openings in the floor. High temperatures from open fireplaces, tiled stoves or intensive sunlight (eg. conservatories) may cause damage. On floor heating the surface temperatures must not exceed 27°C (81°F) in all places. The maximum heat output must not exceed 55 W/m<sup>2</sup> and cover the whole surface. Coverage of floor heating systems with thick rugs or other floor covering is not recommended and may lead to unacceptable heat concentration. At the start of each heating season the temperature shall be gradually increased evenly over 7 days until normal heating levels are achieved. The original packaging shall be opened immediately prior to installation. During winter months the engineered flooring must remain in unopened packaging for up to 48 hours in order to reach the room temperature.

## 1.3 SUBFLOOR

The subfloor must be free of any carpets, clean, permanently dry, level, firm and structurally sound. Variations in level of the subfloor of more than 3 mm in 1 m (1/8" in 8") have to be filled or planed. The allowable maximum moisture content of a regular subfloor on a dry weight basis is for concrete 2,0%, for anhydrous screed 0,5% and must be verified before installation. With radiant heating the allowable maximum moisture content of the subfloor on a dry weight basis is for concrete 1,8%, for anhydrous screed 0,3%. The subfloor must be dried out according to the heating protocol for radiant heated subfloors ([www.berg-berg.com](http://www.berg-berg.com)) and the moisture content be measured prior to the installation. Subfloors with direct contact to the soil, sections which are over unheated rooms or crawl spaces or with increased humidity loads like boiler or laundry rooms allways require additional protection against moisture (vapour barrier).

## 1.4 SPACING

Wood as a natural material reacts to changes climate. Between the flooring and walls, and all other hard points, such as doorframes or heating pipes there must be a horizontal distance of 10 – 15 mm (1/2"). Wherever possible the flooring is laid under the door frames.

## 1.5 TOOLS

Apart of measuring tape, pencil, angle ruler and a saw the following tools are necessary and helpful for a quick and perfect installation: Hammer abt. 500 g, parquet tool and wooden distance spacers. For floating installation a hardwood tapping block abt. 400 x 65 x 25 mm (16 x 3 x 1"). For glue down installation additionally a dented trowel or the innovative Parkett-X-Press and the Berg & Berg tapping tool from plastic. This is specially designed for a damage free and clean glue down installation. The tapping blocks are available as accessories from Berg & Berg.

### 1.6.1 FLOATING INSTALLATION

A moisture barrier of 0,2 mm (6 mil) polyethylene membrane shall be laid directly on the subfloor with approx. 20 cm (8") overlap. The barrier shall go up the walls abt. 5 centimetres (2 inches). The noise protection of max. 3 mm (1/8") thickness is installed without overlap on top of the moisture barrier. On a radiant heated floor the overlaps must be taped. The noise protection of max. 3 mm (1/8") thickness is installed without overlap on top of the moisture barrier. During installation the flooring elements are glued together with pvc glue conforming to the requirements of DIN EN 204 (d3). The glue must be applied in the grooves along the edge and the end. Floor segments longer than 15 m (50') or wider than 9 m (30') or complex shaped floor plans (e.g. L, Z, or U-shaped, hourglass, bottlenecked or in doorways) or where heavy or fixed installations would restrict the free expansion of the material, the floor must be separated with an expansion gap at a suitable position or glued down onto the subfloor.

### 1.6.2 GLUE DOWN INSTALLATION

Separation gaps between building segments must be copied in the flooring. Other subfloor cuts can be firmly linked and glued over. A vapor barrier primer directly on the subfloor helps to minimize the development of visible openings between the floor elements. The floor is glued directly on the possibly primed subfloor. There is no additional glue required in the grooves. We recommend elastic, water- and solvent free adhesives, which are designed for engineered flooring and underfloor heating (radiant heated floor). Please always follow the instructions of the supplier of the adhesive.

# 2 | Installation

## 2.1 VISUAL INSPECTION

Wood is a wholly natural product and each piece unique in colour and design. Our strict quality control procedures cannot completely eliminate possible defects. Should you find a piece which does not conform to our quality, please return it to the supplier for free exchange. Please check the panels and put defect boards aside. Imperfect and already installed boards cannot be claimed.

## 2.2 THE 1ST LINE

Start with a board in the left corner of the room, with the 2 grooves against the wall. Link board by board of the first line with the tapping block tightly together. Always hit with the tapping block against the tongue. The last board of the first line must be precisely trimmed and put in place with the parquet tool. Where necessary the wood floor shall be shaped to match the course of the wall. The straight alignment of the first few rows of the flooring is extremely important for the successful installation of the rest of the floor. During installation the expansion gap to all walls is secured by wooden spacers.

## 2.3 CONSECUTIVE LINES

The remaining trim-off from the line before is used to start the new line. The offset of the end joints of adjacent lines must be min. 40 cm (16"). For floating installation apply the glue (as described above) and prelink the boards horizontally. Tightly link the elements like a zipper using tapping block and hammer. Always and only use the tapping block to hit against the tongue. Never hit against the edge of the decorative face or directly with the hammer against the boards. Working in the applied adhesive (glue down installation) the red Berg & Berg tapping tool makes it easy to hit against the tongue only without dirty tools and without disturbing the adhesive ribs.

## 2.4 REMOVAL OF A BOARD

If by any means really ne-cessary it is possible to remove the latest installed board as long as the glue is not cured. For this purpose one shall stand on the adjacent installed line and gently lifts the board which shall be removed.

## 2.5 COMPLETION

The last lengths are cut to size and inserted with the parquet tool. Immediately after completion of the installation, and during any long interruption to the installation, the wooden spacers must be removed. All expansion gaps are covered with matching mouldings. Remove all dirt and debris from the surface.

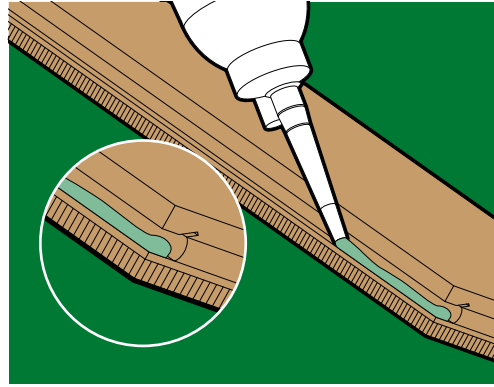
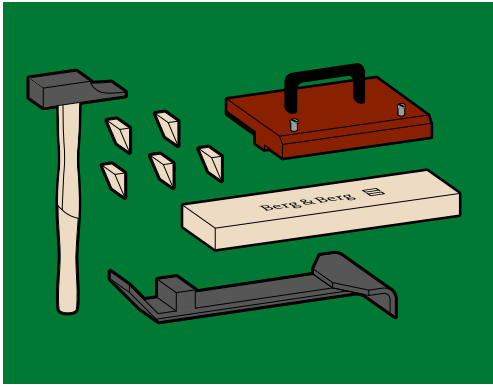
# Svedloc Plus



Good to know: The unique Svedloc connection (locked and bonded) makes the installation easy and creates long-lasting perfect floors.

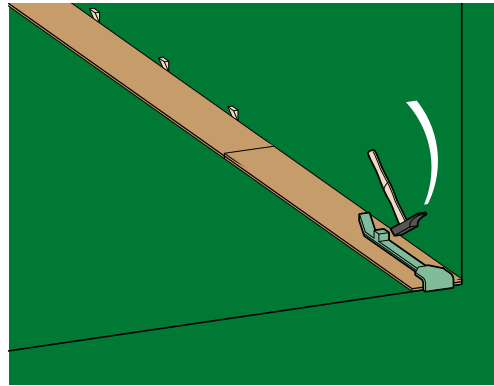
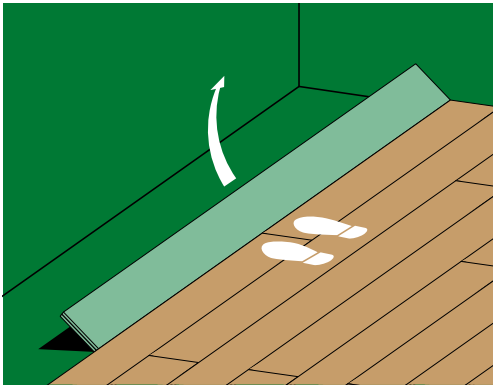


Video  
Easy installation



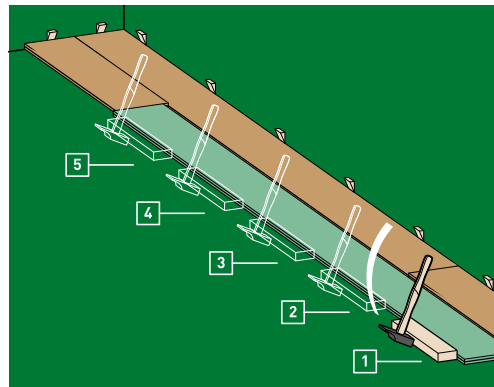
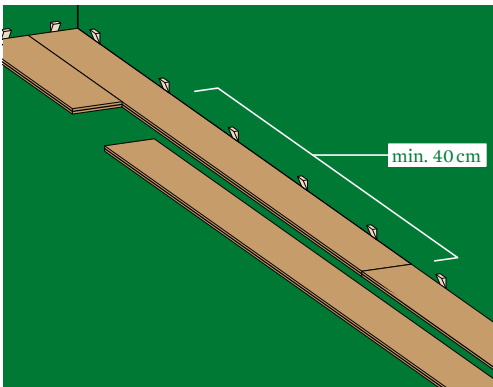
01  
necessary tools

02  
correct glue application for floating installation



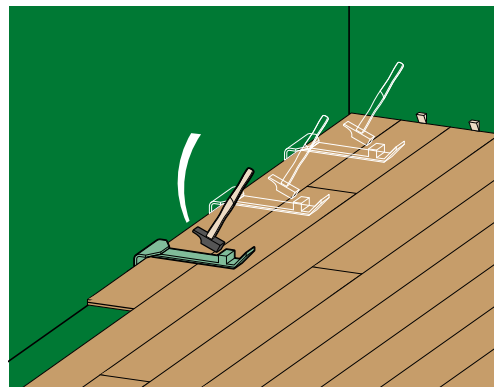
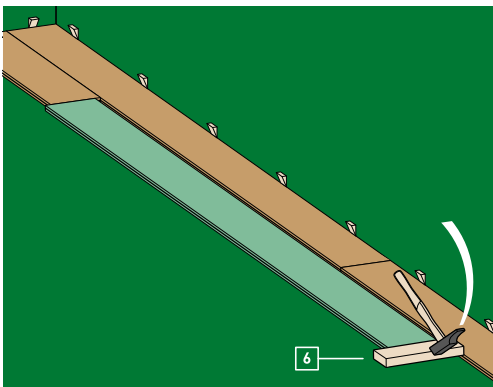
03  
Removal of a board

04  
Insert the last element of a row with the parquet tool



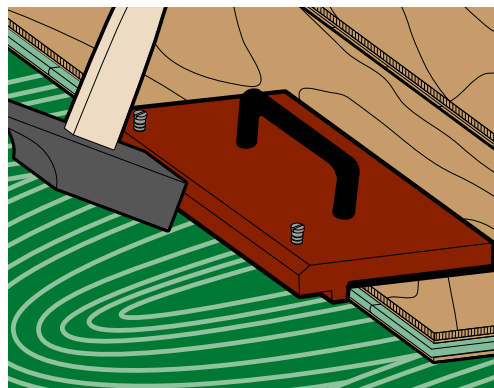
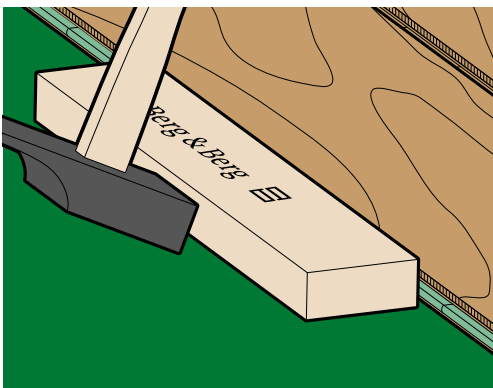
05  
Offset of the end joints min. 40 cm (16")

06  
Sequential use of the hammer and tapping block for the correct installation of the board



07  
Sequential use of the hammer and tapping block for the correct installation of the board

08  
Insertion of the last row with the parquet tool



09  
Tapping block only against the tongue – never against the groove or surface for floating installation

10  
Berg & Berg tapping tool for glue down installation



## 3 | Maintenance

Berg & Berg wooden flooring is delivered with the ready to use Bona UV acrylic lacquer finish or High Solid natural oil (oxygen cured). Both surfaces meet the high level requirements for natural beauty, durability, upkeep and little maintenance. However accidents can happen. For smaller repairs there are touch-up-kits available. For further information refer to [www.berg-berg.com](http://www.berg-berg.com).

### 3.1 AN OUNCE OF CARE IS BETTER THAN A POUND OF REPAIR

The right maintenance from the start is important. With the progress of time the floor becomes less demanding and increasingly stress resistant. By following the recommendations outlined below, keeping your Berg & Berg floor in tip-top condition will require a minimum amount of effort:

- > Loose dirt, dust and grit shall be removed by sweeping or vacuuming.
- > Water causes swelling of the wood and can result in open joints and damage to the floor. Always remove spills and spots immediately with a slightly dampened cloth. Ensure adequate ventilation under flower pots with stick-on floor protectors or equivalent saucers.
- > Low humidity or high temperatures, particularly during winter or on underfloor heating, can result in small open joints and fissures in the wood. A comfortable room environment has a relative humidity of about 50 – 60%. It must not drop below 35%. Air humidifiers during winter are recommended. On underfloor heating the use of thick carpets or other floor coverings must be avoided.
- > A good quality doormat in front or just inside a door will save the floor from abrasive mud and dirt. Plus help to reduce cleaning time.
- > Use casters or slip on floor protectors (no nail-on protectors) under all furniture. Rollers must be soft and meet EN 12529 (bi-colored rolls). For office furniture chairs there are appropriate protection mats and their use is recommended.
- > Strong cleaners, sand, dry microfibre, acid or alkaline substances, solvents, stiletto heels, metal or metal wear can damage the finish and cause imprints, scratches and discoloration.
- > Only use the following recommended maintenance products and follow the instruction of the suppliers.

### 3.2 CARE FOR LACQUER FINISH FLOORING (BONA UV-ACRYLIC FINISH)

For the regular cleaning and maintenance use Bona floor care products for lacquer finished flooring (additional information available at [www.bona.com](http://www.bona.com)).

### 3.3 CARE FOR OILED FLOORING

Oiled Berg & Berg floors are factory finished with Oil N°8 (exceptions see below\*). After installation the floor just needs cleaning with Faxe Active Care or Faxe/Woca Wood Floor Soap.

For more information <a href="http://www.berg-berg.com">www.berg-berg.com</a> .	INITIAL MAINTENANCE DIRECT AFTER INSTALLATION	REGULAR MAINTENANCE AND CLEANING
* Norrlands Pine natural, Oak XS natural	Faxe/Woca maintenance oil nature	Faxe active care mat or Faxe/Woca floor soap nature
All other natural oiled products	Faxe active care mat or Faxe/Woca floor soap nature	Faxe active care mat or Faxe/Woca floor soap nature
* Silver Maple, Gotland, Oak double brushed white, Norrlands Pine white or extra white and Oak XS white	Faxe/Woca maintenance oil white	Faxe active care mat or Faxe/Woca floor soap white
Oak raw timber effect	ready to use (no finish required)	Faxe active care mat or Faxe/Woca floor soap white
All other white oiled products	Faxe active care mat or Faxe/Woca floor soap white	Faxe active care mat or Faxe/Woca floor soap white

#### TIP


For increased traffic (for ex. in kitchens or entrance areas) an initial maintenance with Faxe/Woca maintenance oil gives additional protection. Prior to an initial treatment with maintenance oil always clean dirty surfaces with Faxe or Woca intensive cleaner.

#### IMPORTANT NOTICE

Oak raw timber effect is ready to use and must not be additionally oiled! If after a longer period of use the floor shall be renovated any remainings of Active Care or Soap are to be removed with Faxe/Woca Intensive Cleaner first.

Berg & Berg 

[WWW.  
BERG-BERG.  
COM](http://WWW.BERG-BERG.COM)

 <p>AB Berg &amp; Berg, S-37252 Kallinge 10 EN 14342 Multilayer parquet 14 mm</p>	Density and Thickness	> 500 kg/m <sup>3</sup> ; 14 mm
	Reaction to fire	D <sub>fl</sub> -s1
	Release of formaldehyde	E1
	Breaking strength	NPD
	Slipperiness	NPD
	Thermal conductivity	0,15 W/mK
	Biological durability	Class 1



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