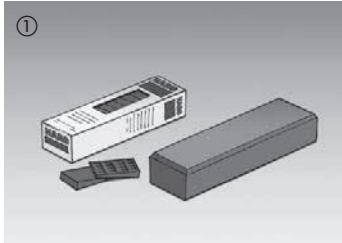


Installation instructions for HARO Disano Saphir

Attention: Read thoroughly from beginning to end before installation!

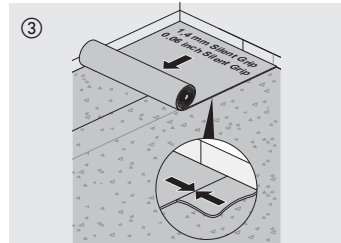
Please always comply with the installation instructions that are enclosed with the cartons. The accompanying instructions are binding!



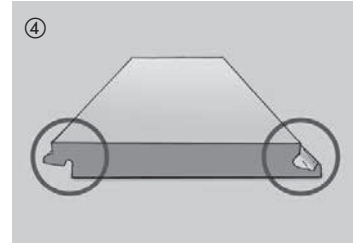
1 Installation tools: Tapping block, pencil, saw.



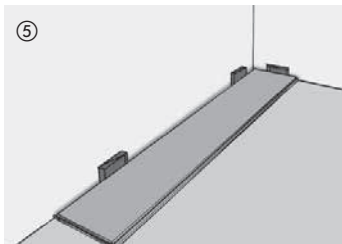
2 Always use 0.2 mm thick PE film overlapped by 30 cm as an underlay when laying your floor over floor screed. This should overlap in the 30 cm impact area. Extend underlay up all walls. After having installed the skirtings cut underlay at the upper edge of the skirtings.



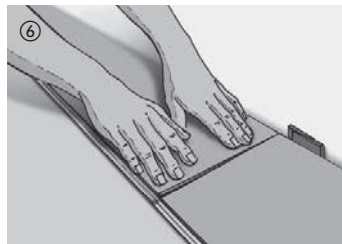
3 For sound insulation and to smooth out slight irregularities of the subfloor, unroll 1.4 mm thick Silent Grip underlay. Do not overlap. Our range of accessories also offers alternative insulation underlays. Asphalt-bitumen felt is not suitable for sound insulation.



Tongue side / Groove side



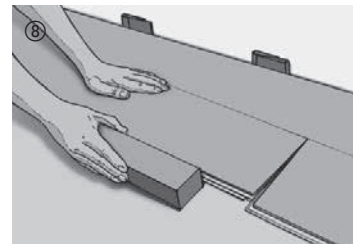
5 Starting in the right-hand corner of the room, align the boards of the first row with the tongue side parallel to the wall, and fix them in place with wall spacers as you proceed (always keep an expansion gap of 7-10 mm (3/8" - 1/2") around perimeter).



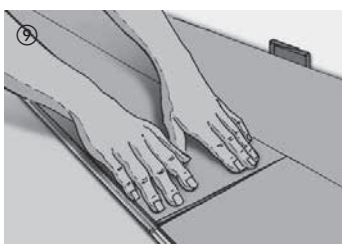
6 The remaining boards of the first row must be clicked in from above at the head ends into the previous boards. Pressure applied briefly to the side joint clicks in the board into the adjacent board. It is important to ensure that the first row is straight and exactly parallel to the wall. Cut the last board of the first row to size, leaving an expansion gap of 7 - 10 mm (9/32" - 13/32") between the board and wall. Fit in the board and lay it flat.



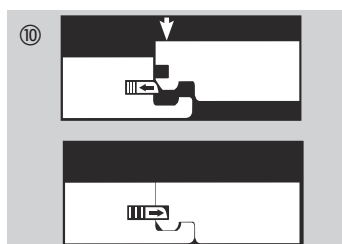
7 The next row is started with the leftover piece of the first row (short side offset of at least 50 cm). This considerably reduces waste. The rest of the installation is performed board-by-board. First, the boards are angled into the previous row along the long side by applying a small amount of force.



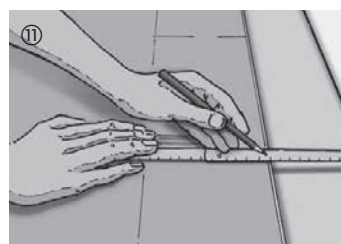
8 Tap edge gently with tapping block, if necessary.



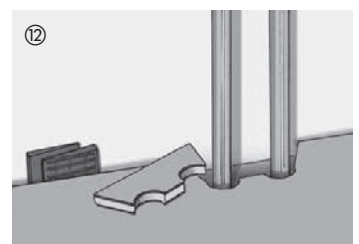
9 The board is then lowered in on the short side. Ensure here that the board is flush at the short side with the previously laid board. Pressure applied briefly to the side joint clicks in the board.



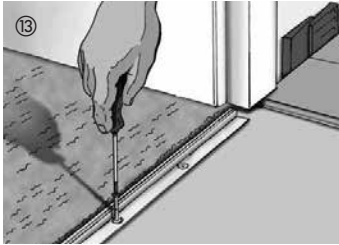
Short side profile Interlocking



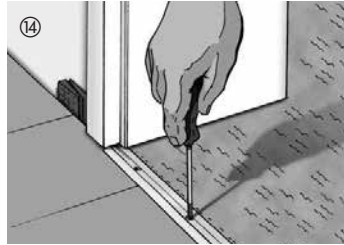
11 Cut to size and fit in the boards of the last row. Leave a gap of 7 to 10 mm between the boards and wall.



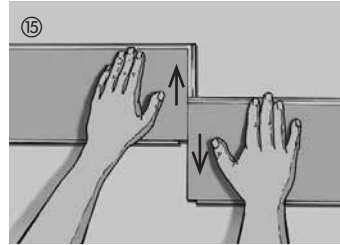
12 If radiator pipes protrude from the floor, drill or saw a cutout into the board (the size of the cutout depends on the radiator pipe and the required expansion space).



In doorways, mount a suitable moulding system to ensure the necessary expansion space. This also applies if the same floor is to be laid in the adjoining room. In this case, a transition moulding should be used for covering the required expansion gap.



Leave an expansion space of approx. 5 mm between the board and the base of the moulding. As a rule, a fine saw must be used to cut a gap the thickness of a board in wooden door frames to allow the laminate floor to expand. Be sure to remove all distance spacers once all boards are laid. Fasten skirtings (with or without clip system) to the walls – that's it.



To unlock the boards, you can slide them in parallel.

General information

Attention: Read thoroughly from beginning to end before installation!

Important general information

Make sure that the quality of the delivered product is faultless before installation as claims cannot be made subsequently after goods have been cut or laid incorrectly.

The relevant national standards and guidelines, technical references as well as recognized rules of the trade apply for installing DISANO Saphir.

The following guidelines must be followed especially in Germany:

- VOB Part C, DIN 18365 Flooring Works
- Minimum requirements with respect to DIN 18560 technical rules for floor screed, especially the following in Germany:
- BEB publication: "Assessment and preparation of surfaces, installation of resilient and textile floor coverings"
- DIN 18202 "Tolerances in building construction"
- Plumbing, Heating and Air-conditioning ZV leaflet: "Interface coordination for heated floor constructions"
- FEB data sheet: Effect from chair and furniture glides and rollers.

Note

Installers must report any concerns that arise during examination prior to installing the floor covering. This is especially the case with:

- Serious unevenness
- Cracks in the subfloor
- Insufficiently dry subfloor
- Insufficiently solid, excessively porous or rough subfloor surface
- Soiled subfloor surface, e.g. caused by oil, wax, varnish, colour residue
- Incorrect elevation of the subfloor surface in relation to the elevation of the adjoining parts
- Unsuitable subfloor temperature
- Inappropriate indoor climate
- No heat-up record in case of underfloor heating constructions
- No edge insulation strip overhang
- No marking of measuring points in case of underfloor heating constructions
- No joint plan (source: Comment on DIN 18365 Flooring Works)

It is recommended to apply a suitable levelling compound in an appropriately thick layer using a squeegee technique in order to level out unevenness and ensure a uniformly absorbent subfloor. After scraping, we recommend cleaning the surface by polishing it. Please follow the instructions of the filler manufacturer.

When gluing down DISANO Saphir over underfloor heating, please note EN 1264-2 (Underfloor Heating – Systems and Components) in addition to VOB DIN 18365. The surface temperature should not persistently exceed 29 °C.

In areas that are exposed to extreme temperature fluctuations, such as flooring beneath tall window panes that let in intense direct sunlight, a long-lasting glue adhesive should be selected. Sun shades should be used as well to minimise the amount of sunlight. Glue adhesive should also be used on floors subject to rolling weight and in moist areas (e.g., bathrooms). Please ask your dealer for our special installation instructions for glue-down installation.

Acclimatization of HARO DISANO Saphir

DISANO Saphir and installation aids must be acclimatized for at least 48 hours prior to installation in the rooms where the covering is being laid in compliance with the following requirements:

Indoor climate conditions

- Air temperature in room above 18 °C
- Floor temperature at least 15 °C to max. 25 °C
- Relative humidity 40 % to 65 %

Installation direction

The direction of laying normally depends on the main source of light fall in the room, e.g. French windows. The boards should run parallel with the entering light for best appearance. However, the proportions of the room can also be emphasised by skilled selection of the direction in which your parquet is laid. Light-coloured wood makes small rooms appear larger. With floating installation in large areas over 10 m (33 ft.) in length or width, an expansion joint must be allowed for. Apply an expansion moulding or cover strip over said expansion joint.

- Ensure that the boards are always laid lengthways in narrow hallways.
- When installing T, L or U-shaped areas, separate the flooring areas according to the room layout by using a suitable profile system.

Care

Dry cleaning/marks: It is generally sufficient to dry clean Disano with a mop, brush or vacuum cleaner. Any rubber marks from shoe soles or grease marks can be removed with ethanol. Spilt oil should be removed immediately from the floor because of the higher risk of slipping. The longer period effect of aggressive solvents, such as acetone or disinfectants, can cause surface changes. Such substances must be removed immediately from the DISANO surface.

Initial cleaning/damp mopping: We recommend initial cleaning and damp mopping your floor surface regularly with clean & green natural diluted in water. Cleaning frequency depends here on the wear and tear your floor is subjected to.

Intensive cleaning: To remove major soiling and ingrained dirt, you can use clean & green active for intensive cleaning. Treat the floor with clean & green natural after each basic cleaning.

Please note: Do not use soap-based detergents, abrasive cleaners, scouring powder, aggressive solutions, steel wool, wax or polish for cleaning and maintenance.

Always avoid letting water stand on the DISANO by HARO surface. Steam cleaning machines are not suitable for cleaning the floor.

Additional preventive protection

To preserve the quality and beauty of your floor we recommend using Teflon furniture glides (PTFE) under chairs and furniture legs and doormats in entrances. Chair castors and office roller chairs must comply with German Standard DIN 12529. Use only lined rollers of type W (soft). For additional protection, we recommend placing protective HARO mats under armchairs and office chairs.

Disposal and the environment:

Look for low-emission products when using glues. The best approach to removing flooring is to proceed in the reverse

order of its installation. Disposal is carried out in compliance with national and local laws and regulations.

10/17 Subject to modification in the interest of technical development.