



LAYING INSTRUCTIONS BERGO MULTISPORT



Please read through the instructions carefully before installing your Bergo Multisport flooring.



For installation you will need: Rubber or plastic mallet, tape measure, jig saw or similar, chalk, gloves



Preliminary work/Surface

As a surface, we recommend in the first instance concrete or asphalt. With the correct surfacing work even stone powder surface can be used, as long as it is sufficiently firm and even. See description below.

Posts (for e.g. basketball hoops, goals, etc.)
The foundation should be cast when the ground work is done, and before the playing area is installed.

Please note! The better the surface, the better the end result.

Asphalt/concrete

Make sure the surface is smooth and does not have any large holes or pits that can create puddles if it rains or that might contribute to the Bergo flooring having poor contact with the surface beneath. See image.



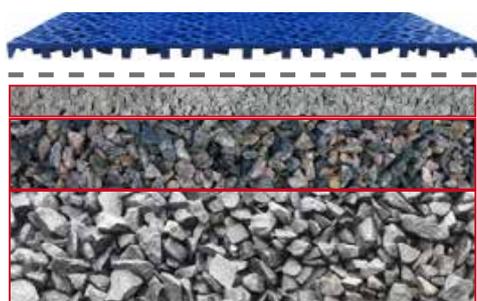
Must be levelled off!



Example of laying/smoothing

Level off and prepare the surface using a suitable method.

Stone Powder coating



- BERGOTILES
- Geotextile type Tencate Geolon PP 15
- 3 cm Stone powder 0-4 mm vibrator or by water compacted
- 10 - 15 cm Macadam 0 - 32 mm
- 15 cm Macadam 32-63 mm
- Drainage Pipe Ø160 mm



Runoff

If appropriate check that water runoff functions properly. A slope of approximately 0.5% is desirable, but there is no requirement for this. Drains should be positioned off the playing surface of the field.

Where sunken drains are located under the playing surface, the level should be smoothed off with a draining structure, e.g. extra Bergo tiles. Otherwise there is a risk that tiles will become loose or break.

Preparations

Clean the surface – tidy and sweep it clean.

Before installation, the flooring should be allowed to adapt to the surrounding temperature for about 24 hours.

We recommend carrying out the installation at temperatures over 10°C. At lower temperatures the flooring becomes more brittle and has to be handled with care.

Place pallets with the flooring for installation just outside the playing area to avoid unnecessary movement.



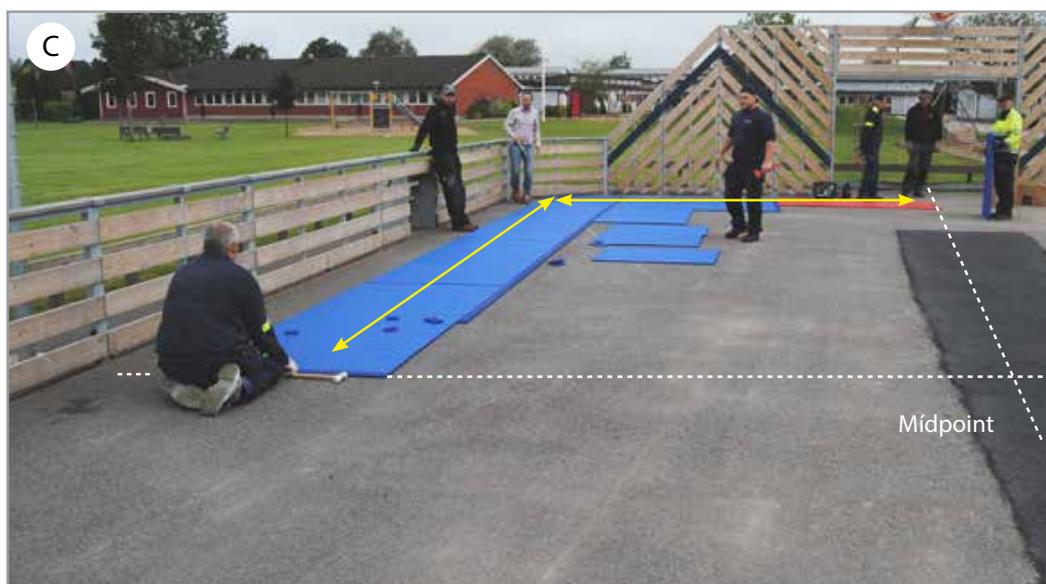
Look carefully at your customer-specific drawing!

Installation

1. Measure the centre line on both the long and the short side in order to find the mid-line of the playing area (images A and B). Mark with chalk or line.

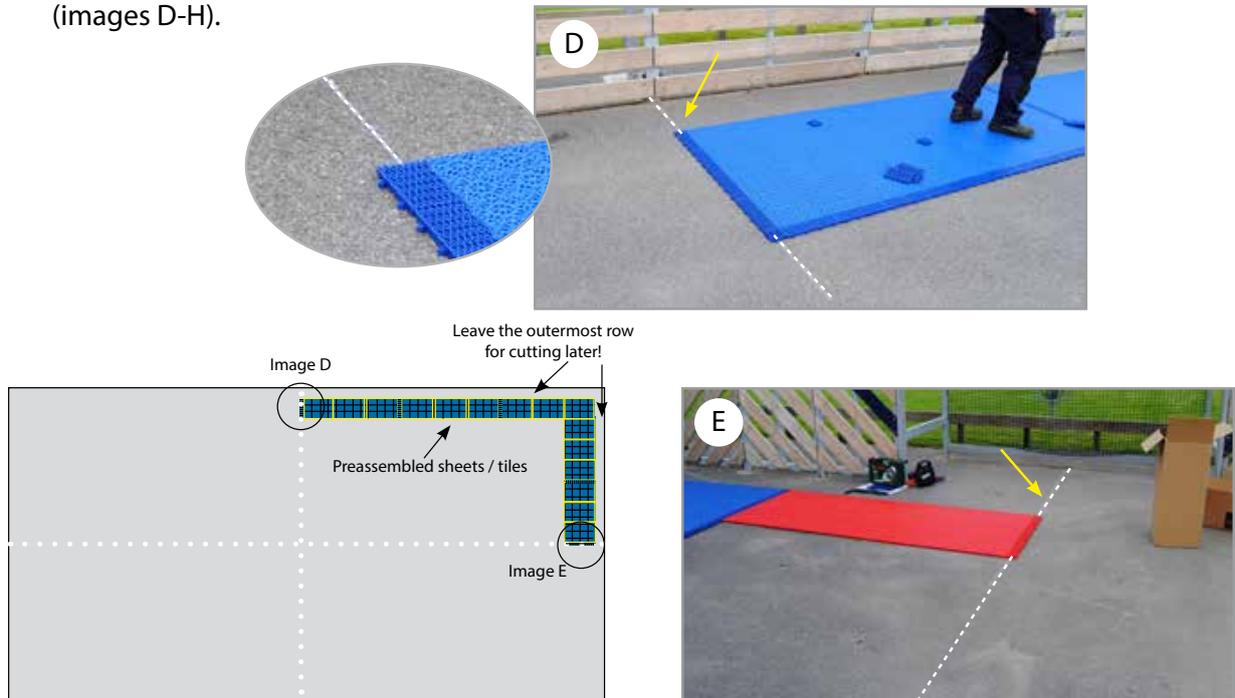


2. Lay out at least 3-4 rows of tiles or one row of pre-assembled sheets, plus the expansion strips indicated on your specific drawing so that you reach the mid-line on both the long and short sides (image C).

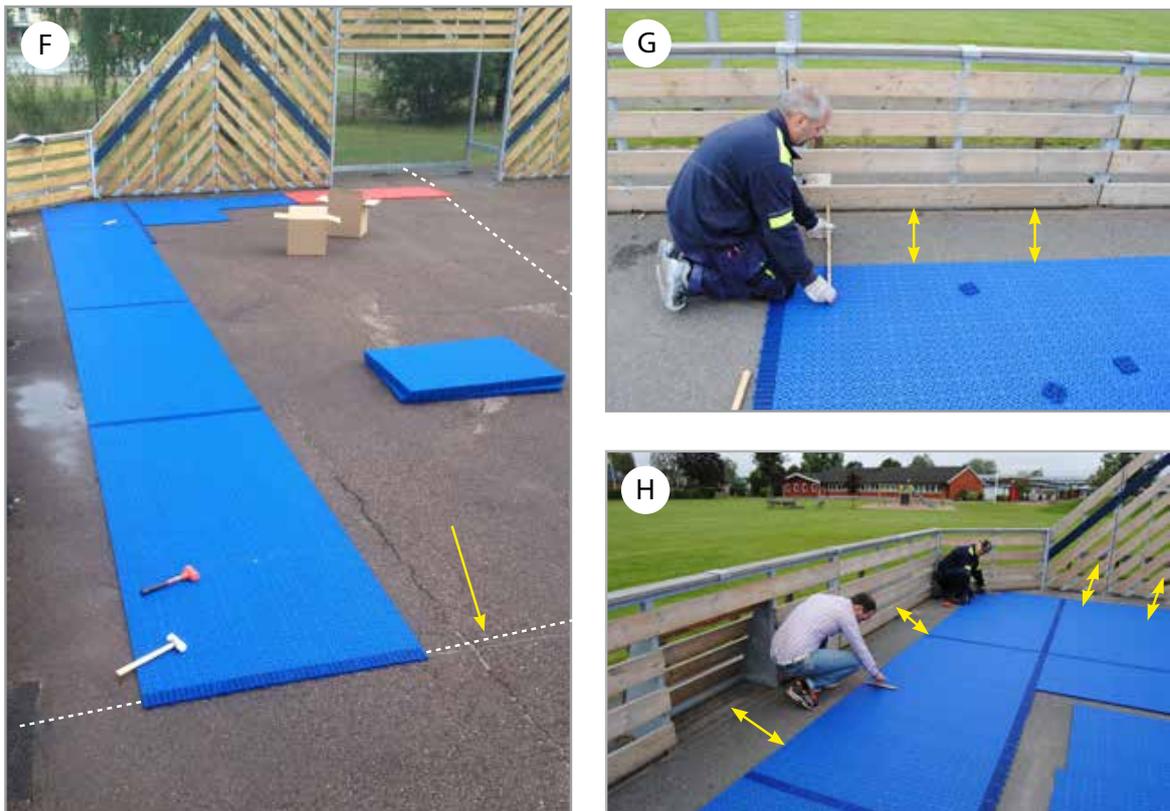


Installation continued

- Once you have laid out tiles or pre-assembled sheets so that they form an "L" shape, adjust them in the middle by pushing the tiles into exactly the right position (images D-H).

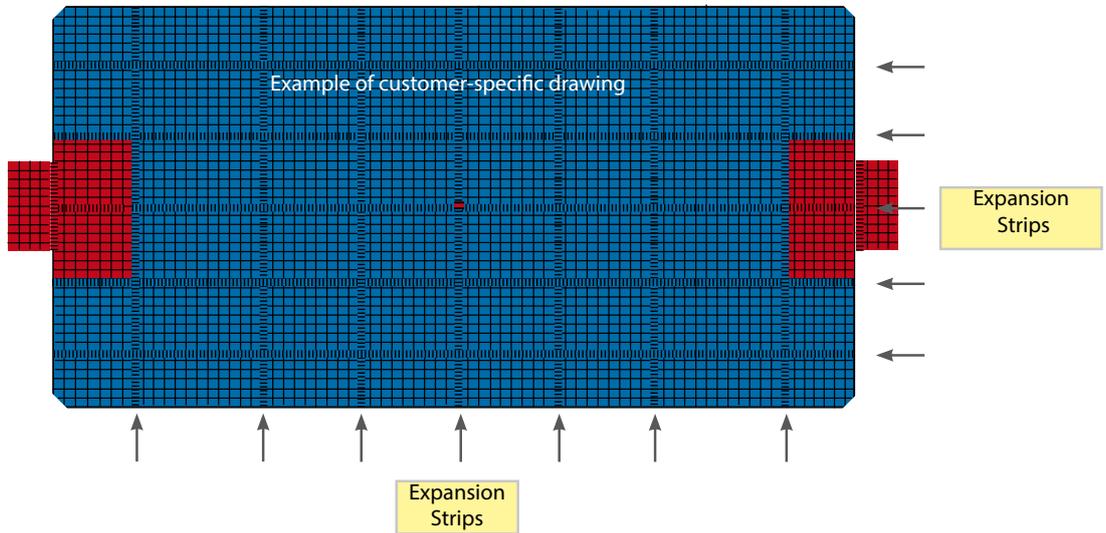


- For installation inside a rink, leave the outermost row of tiles for cutting later and make sure that distance from the rink to the installed tiles is the same all along. Please note that the distance between tiles and rink for the short sides and the long sides need not be the same (images G and H).

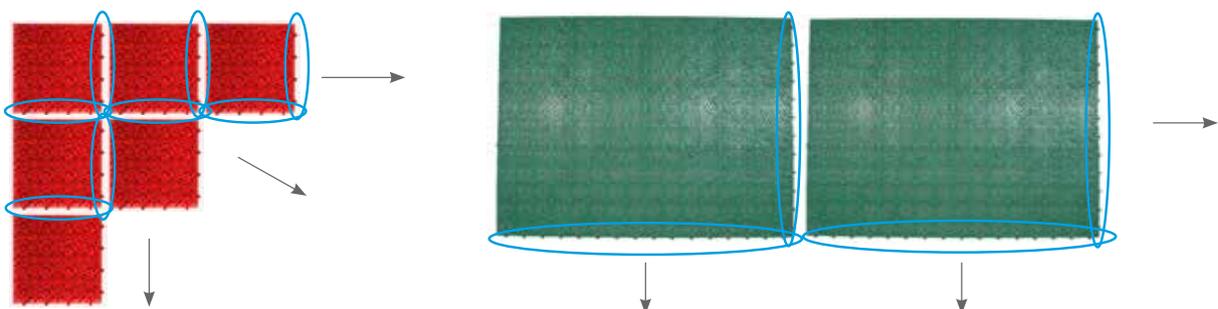


Installation cont.

- Once the "L formation" has been fixed in place, continue to lay out the remaining tiles/sheets. Install all rows carefully, with the expansion strips included on your customer-specific drawing (image H-I). If you do not have a customer-specific drawing, see our recommendations under the section Expansion strips.

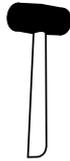


- The rings must always be laid in the same direction, even when you are installing sheets.



Installation cont.

7. Fix the tiles with the joints over the protruding rings and fit them together with sharp blows using a rubber/plastic mallet (image J).



8. Continue to lay tiles according to your specific drawing for your playing area. For installation within a rink, leave the outermost row of tiles for cutting later (images G-H).

Cutting

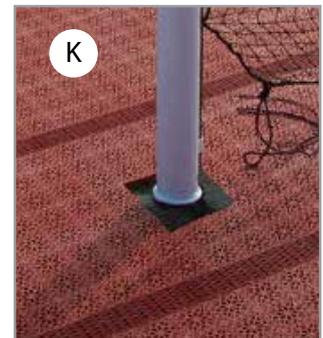
For cutting, use a power jig saw. A band saw or bench saw can also be used.

Once all tiles and expansion strips have been laid according to the drawing, it is time to cut the tiles next to the rink and fixed objects (images K-M).

Remember to leave a gap of about 20-50 mm from all fixed objects (rink, posts, walls, etc.) for the floor to expand.

When laying at low temperatures the gap should be around 50 mm, at high temperatures 20 mm.

Remember also to leave space by fixed objects so that the floor can "retract" when it gets cold without getting caught on the fixed object.



It may be helpful to lay the tiles under the rink where it is possible that the floor may slide freely when it expands. Remember that large and heavy goals etc. that are placed directly on top of the floor may prevent natural movement of the floor.

Adjustment or cutting may be required at a later point.



Mistakes during installation

It sometimes happens that you do something wrong. If that happens, use our disassembly tool to easily take it up and make adjustments. See under moving and removal of floor.

Expansion strips

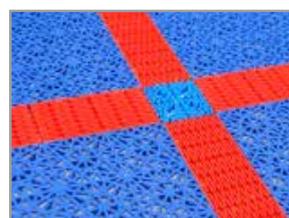
The purpose of expansion strips is to absorb movements in the floor that occur during variations in temperature, and to absorb any tension that occur due to unevenness of the underlying surface. The strips can also be used to create lines and markings on the floor. It is important to lay all rows of expansion strips according to the customer-specific drawing.



Long expansion strip 30 cm – for sports that cause less strain, such as basketball, handball, volleyball, etc.

Short expansion strip 15 cm – robust structure for extra long life and heavy loads. Necessary for such things as inline hockey and for heavy wear.

Where two rows of expansion strips meet, an expansion cross piece should be used. For playing areas with a mid-line, a cross in a contrasting colour can be used to mark the centre point.

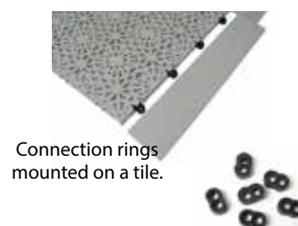


For the laying of floors without a specific drawing, we recommend the following:

- If the floor ends at a fixed object such as a rink, wall, posts, etc, we recommend 9-16 tiles between the rows and expansion strips.
- For installation in open areas without fixed objects, the distance between the expansion rows can be increased to 12-18 tiles.

Edge and corner strips

Edge and corner strips give a nice finish and are used when installing on open areas (without rink or walls), or at rink openings. Bergo connection rings are used when edge strips are to be applied on the two sides of the tile where there are no rings. Edge strips cannot be applied to cut tiles.



Lines

It may be helpful to use expansion strips to mark straight lines on the playing area, such as side lines and a centre line. Other lines must be painted on.

When painting lines, a paint that will stick to polypropylene must be used, so we recommend in the first instance Maraprop PP. Clean the surface where it is to be painted, and after careful use of masking tape, paint the lines using a roller, which results in a thinner and more even surface than painting with a brush.

A roller with short bristles, which does not take up too much paint, is preferable, and it must be suitable for solvent-based paint.

At least two coats will be required, and it must be allowed to dry properly before the playing area can be used. You may prefer to employ a professional line painter.

More info available here: www.marabu.se



Cleaning/maintenance

Outdoors:

The floor may be cleaned by high-pressure hose. If it is very dirty, use the nozzle for patio cleaning and a cleaning agent for patio or plastic floors. A leaf blower will quickly and easily remove leaves, seeds and rubbish, etc.

Indoors:

Vacuuming and mopping with soft soap works well. A wet scrubbing machine can also be used with a cleaning agent for plastic floors.

For more thorough cleaning, the floor can be taken up, see page 8.

Black marks from wheels or shoes can easily be removed using thinner or a similar product.

Moving, taking up and storing a Bergo floor

Do not take up or install the flooring at temperatures below 10°C. At lower temperatures the flooring becomes more brittle and has to be handled with care.

Please note that the flooring can be used and left out all year round. Snow and ice will do a Bergo floor no harm!



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Moving, taking up and storing a Bergo floor cont.

Bergo Disassembly Tool (art.no. 11RT) has been developed for quick and easy removal e.g. at fairs, temporary matches and other mobile applications.

The tool can also be used to take the flooring up for a major clean. Take the flooring up in large sections and lay them systematically in piles to make it easier to put them back in reverse order. You could mark/number the pallets for easier installation.

If the flooring is to be transported further, the sections should be laid on pallets according to their size, e.g. 4x3 tiles per sheet. On delivery from the factory, the sheets are 4x3 tiles and fit the pallets they come with.

Only divide the floor between two tiles, not between tile/expansion.

If a tile should break and need replacing, use our Single Removal Tool (prod.no. 15RT), for easy removal. We do not recommend removing expansion strips or edge strips at this time. It is best to leave them where they are.



ART NR: 11RT "PROFESSIONAL"



ART NR: 15RT "SINGLE"



Good Luck with the installation!

We hope you enjoy your Bergo flooring
many years to come.



Feel free to send us pictures of
your installation!
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www.bergoflooring.se



If you have any questions,
please contact customer
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