

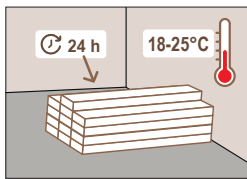


INVICTUS®
HEAVENLY COMFORT · INVINCIBLE FLOORING

INSTALLATION GUIDELINES MODULAR SOFT FLOORING

Invictus® Modular Soft Flooring (MSF) is a luxury carpet tile, suitable for residential use. It is not suited for installation outdoors nor in rooms that will be continually wet. It is essential that these installation guidelines are followed carefully to ensure a quality fit.

1. PREPARATION

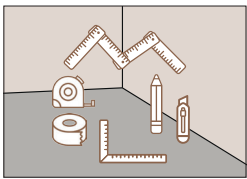


TRANSPORT AND STORAGE

For both transport and storage the floor boxes must be stored on a flat surface. Boxes must be stored inside. Do not store the cartons in very cold (<math><2^{\circ}\text{C}</math>) or very warm (>math>40^{\circ}\text{C}</math>) or humid places.

ACCLIMATISATION

It is important to **store the planks for at least 24 hours before installation, at room temperature (18-25°C)** in the room where the installation is to take place. Your Invictus floor should be stored flat in its packaging, in small neat piles, max. 6 boxes high. To condition, the boxes must be kept away from direct sunlight, heaters of air vents. This room temperature should be maintained throughout the installation and for at least 72 hours after installation. The subfloor temperature should be above 15°C.



TOOLS

Utility knife and blades, pencil, chalk line, try square, tape measure/folding rule, damp cloth, hand roller and 50 kg roller, spatula and adhesive.

2. AREAS OF USE & SUBFLOOR REQUIREMENTS

Invictus MSF is **not suited** for outdoor use or in areas with large temperatures variations. Protect your floor from long-lasting exposure to direct sunlight by using appropriate window coverings. Extreme solar radiation, heat and extreme temperature fluctuations can cause damage or deformation.

Ensure that the indoor temperature is always kept above 6°C and ideally between 18 and 25°C.

Subfloor preparation and floor installation should always comply with the applicable national regulations and installation standards.

SUBFLOOR REQUIREMENTS

Careful subfloor preparation is essential for an excellent result. Roughness or unevenness in the subfloor could cause excessive wear on high spots or indentation on lower spots. Remove all traces of plaster, paint, glue, oil, grease, etc. and vacuum.

The subfloor must be hard, clean, dry and smooth.

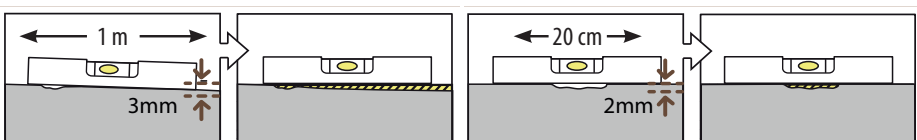
The following are not approved substrates: rubber or other compressible underlays, rubber, cork or asphalt tiles, cushion backed resilient flooring; Textile floor coverings (such as carpet, needle felts, etc.) must be removed.

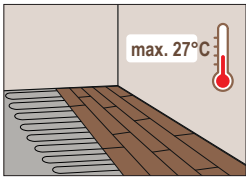
Invictus MSF can be installed on: ceramic, porcelain, marble and granite tiles. They must be properly bonded with intact grout joints and free of cracks or loose tiles. Tile surface and grout joints should be free from coatings and dirt. Wood, laminate and linoleum floor coverings are approved, provided that they are smooth, even, dry and clean.

Invictus MSF could be susceptible to damage from moisture. **Therefore subfloors must be checked for moisture problems:** excessive subfloor moisture is an ideal breeding ground for mold, mildew, fungus and mites - all of which can contribute to an unhealthy indoor living environment. If excess moisture is found in the substrate proper remediation steps should be taken before installation.

Make sure **floor level deviation is a maximum** of 3 mm per m, and 2 mm per 20 cm. (If these margins are exceeded, the subfloor must be evened out with a suitable filler or levelling compound. Any isolated highpoints / ridges should first be removed in order to avoid damage to the product.)

If you are not certain about the quality or suitability of your subfloor for the installation of Invictus MSF, then contact your dealer, who will be more than happy to help you.





UNDERFLOOR HEATING

Invictus MSF is suited for use with **warmwater** underfloor heating and **also electric heating systems** with a maximum performance of 70 W/m². It is important that the **temperature at the subfloor surface does not exceed 27°C**.

Only underfloor heating systems with heating components – hot water or electric – embedded in the subfloor are suitable. Heating films/wire or other systems that are placed on top of the subfloor are not suitable. The heating elements **must be fully embedded in a well-bonded and suitable levelling compound**. The floor must be fully supported by the heating system, to achieve a homogenous temperature of the floor.

Invictus MSF is not suitable for reversible heating/floor cooling systems.

The underfloor heating **must be switched off 48 hours before installation and also during installation**.

48 hours after installation, you can re-start the underfloor heating, by **gradually increasing** the temperature by $\pm 5^\circ\text{C}$ daily, up to a maximum floor temperature of 27°C. Ideally, avoiding full operating temperature for 7 days. (Follow the current standard of EN1264-2). **See separate document 'Underfloor heating Protocol' on our website.**

Always take care of gently heating-up and cooling-down of the heating system. Rapid temperature changes may lead to joints and openings of the floor. Avoid hot spots and thermal blocks on the surface.

DIFFERENT SUBFLOORS

Concrete/screed

Let new concrete dry sufficiently. The moisture content of the subfloor must be **less than 75% RH** at min. 20°C.

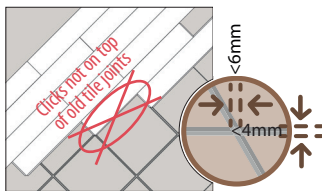
Residual moisture content from the subfloor:

For unheated screeds: < 2.0 CM% in case of cement & < 0.5 CM% in case of anhydrite

Underfloor heated screeds: < 1.5 CM% in case of cement & < 0.3 CM% in case of anhydrite

Always record and keep your moisture content results.

Repair surface imperfections with an appropriate repair compound and check if a primer or sealer is needed. Vacuum the subfloor afterwards to remove all debris.



Tiles

Check the subfloor for moisture problems. The joints of the Maximus Click floor covering should never be aligned with the underlying tile joints. It is not necessary to fill the grouts of a ceramic tiles subfloor with joints when these do not exceed 6 mm in width and 4 mm in depth.

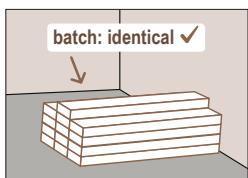
Wooden subfloor

Make sure the subfloor is level and with little flexibility. Fix down all loose boards/parts. Do not install Invictus Maximus Click on wooden subfloors with excessive movement or deflection.

Underlay

Invictus Maximus Click has an integrated sound backing layer. Do not use an extra underlay underneath your Maximus Click floor, as this would lead to openings in the joints or irreparable damage to the locking system. In cases of doubt regarding subfloor condition, seek professional help or contact your retailer.

3. BEFORE YOU START



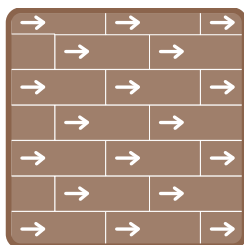
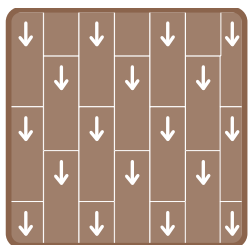
Ensure that your flooring is the correct design and color and **check all boards for visible defects**, both before and during installation. Tiles with defects may not be used. Installation of flooring implies acceptance of materials.

Use only a single production batch number for each installation, as we cannot guarantee a shade match between different batches.

Always keep the production batch number (printed on the box), together with your order form/invoice.

Consider saving a few tiles for any potential future repairs.

4. INSTALLATION



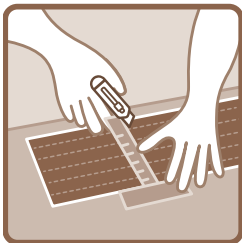
Decide your installation direction: normally the tiles are installed perpendicular to direct sunlight sources, including large windows, doors, etc.

The tiles should be placed with the arrow on the backside pointing away from the entrance of the room.

Special attention should be paid to the arrow indicator on the back of the tile. Make sure that all tiles are installed in an ashlar random configuration with all arrows pointing in the same direction.

Measure the room carefully. Proper planning and layout will prevent narrow tile widths at the walls. Calculate how many full rows will fit; the remaining space should be halved to know the width of the first and last row. If this width is more than 90 mm: the number of full rows should be reduced by one and the width of the cut tiles in the first and last rows is increased accordingly.

Use a tape to mark a line in the centre of the room along which to place the first row of tiles.

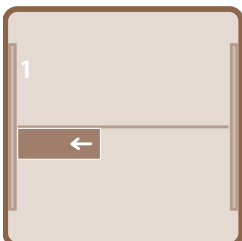


Your Modular Soft Flooring tiles **can be cut using a sharp metal blade** and ruler.

Cutting should always be done on the backside as to avoid damaging the pile yarns.

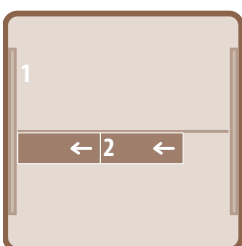
START THE INSTALLATION

Invictus Modular Soft Flooring tiles are self-adhesive; no additional glue is needed.

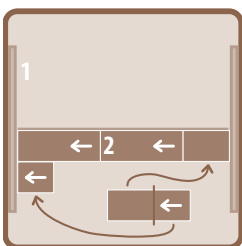


Remove the release paper from the back of the tile and place the first tile along the line, starting from the wall.

When correctly positioned, press the tile to the subfloor.



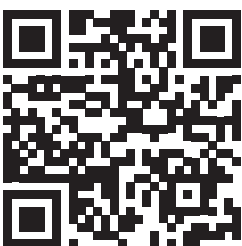
Place the second tile along the line and make sure that the tiles are perfectly positioned one against the other, avoiding that yarns get trapped between the tiles. Once installed, press the tile to the subfloor.



At the end of a row, cut the tile to the required length and use the remaining part for starting the next row.

Please note that the remaining part to start a new row should have a length of at least 100mm.

Avoid that yarns get trapped between tiles by using the method as shown in the installation video.



Watch the installation video online.

To install the last row:

Tiles for the last row should be cut to the required width. Always put the cut edge against the wall.

5. FINISHING

Before putting the furniture back; remove loose yarns by vacuum cleaning the carpet.

Use the vacuum cleaner at a low power.

Not recommended are high-end vacuum cleaners with superior suction power and robotic vacuum cleaners.

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6. MAINTENANCE

For more detailed information: please read our 'INVICTUS MAINTENANCE & CARE GUIDE' online



MOVING FURNITURE

Avoid dragging or sliding heavy items or furniture across the floor. Use protective boards or appropriate furniture movers designed to move your furniture.

CLEANING

A carpet is simple and cheap to maintain compared to other types of floor covering. Stone or wooden floors have to be swept, mopped, polished, sanded and/or waxed. With a carpet there is no fuss with chemicals or dragging buckets around. These practical maintenance tips will preserve your carpets beauty for a long time.

Prevent your carpet from getting dirty

The best way to maintain your carpet is to prevent it from getting dirty. Lay mats or grates in front of your doors to trap the dirt. Wiping your feet before entering your house will keep your carpet cleaner.

Vacuum twice a week

High traffic areas, such as corridors, stairs and entrance halls, should be vacuumed daily. The whole carpet should be vacuumed twice a week. Dirt lying on the surface will be removed thus avoiding penetration further into the pile. Keep the vacuum cleaner in the direction of the pile for a long time and then the opposite way. Repeat as necessary.

Always follow the manufacturer's instructions regarding to the machine bag and filter change to ensure maximum possible suction at all times.

Remove spills immediately

Act quickly when anything is spilled! Do not allow stains to dry in, but remove them immediately with a clean absorbent cloth. Scoop solids with a spoon.

7. WARRANTY INFO AND CONDITIONS

Warranty for first user

If you notice a defect, contact your dealer within two weeks with your original purchase receipt. For more detailed information: www.invictus.eu

8. LEGAL INFORMATION

This document presents the general installation instructions, based on the latest available information. For the best result, and to ensure the validity of the warranty, these instructions should be followed carefully.

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