

# INSTALLATION MANUAL

**Installation Manual**, as per instructions provided in UNI 11515-1 and MMFA Technical Bulletin.

## PACIFIC H2O



Dear customer, before proceeding with the installation of Pacific H2O flooring, we would like to inform you that the following checks must be performed as indicated in the MMFA Technical Bulletin and as outlined in the UNI 11515-1 guidelines to ensure proper installation and longevity of the flooring. Pacific H2O flooring is intended for indoor use only and should not be installed outdoors. Please note that Pacific H2O floors are sensitive to temperature variations; therefore, in areas exposed to sunlight, it is advisable to use window coverings. Any construction or painting work should be completed before the installation starts, and the windows and doors must already be in place. If you have any doubts or questions, please consult our technical office before proceeding. DIY installation is recommended for a single room only; for installing the flooring in an entire house, it is advisable to hire professional installers.

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## Pre-installation checks:

- **Flatness check**
  - **Residual or rising moisture check**
  - **Installation on existing flooring**
- The installation surface must be monolithic and possess the characteristics specified in point 6.1.1.2 of UNI 11515-1. Pacific H2O flooring does not possess mechanical strength characteristics.
  - Flatness check: Use a straightedge (2-meter long metal profile) placed in all directions and near the perimeter, along with a wedge, with an accuracy of at least 0.5 mm. The measurement must be repeated at least 5 times for each room and at least 5 times per 36 m<sup>2</sup>. If deviations of 3 mm or more are detected, appropriate products should be used to correct the irregularities.
  - Residual or rising moisture check: For new screeds, the residual moisture must not exceed 2%, measured with a suitable instrument. A vapor barrier in PE of at least 200 microns or an equivalent product with a performance not less than SD75m must be present between the screed and the cementitious substrate. In the case of installation on existing floors, a vapor barrier in PE of at least 200 microns or an equivalent product with a performance not less than SD75m should be provided. If it's not possible to verify or confirm the presence of a vapor barrier, it is advisable to install one.
  - Installation on existing flooring: Pacific H2O flooring can be installed on existing floors that meet the characteristics specified in point 6.1.1.2 of UNI 11515-1. The old floors must be securely attached to the substrate. It is not suitable to install Pacific H2O flooring on carpet or textile floors or on existing floors installed using the Floating technique.
  - The installation surface must be perfectly clean.
  - It is advisable to make a report with the date and measurements taken.

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## Before starting the installation:

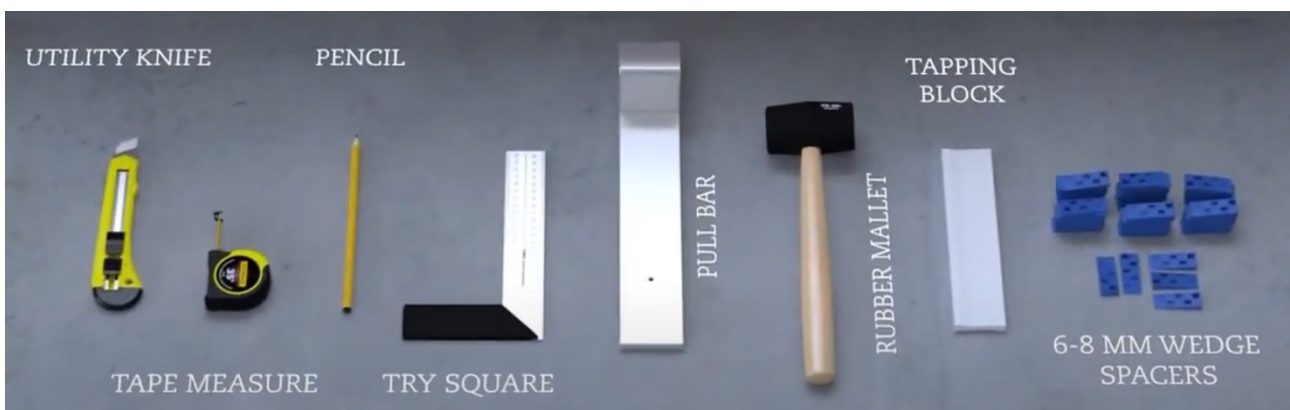
Once all the above checks are completed and verified, please remember that the material should be stored on-site for at least 72 hours before installation for acclimation. Keep the flooring in its original packaging and store it on the ground.

The recommended environmental conditions for proper installation are as follows:

- Room temperature between 10°C and 30°C
- Relative humidity between 35% and 80%

For DIY installations, it is essential to have all the necessary tools for successful installation:

- Tape measure
- Pencil
- Try square
- Wedge spacers (5 mm)
- Utility knife or Circular saw (use with caution)
- Dust mask
- Suitable clothing
- Protective eyewear and any other required PPE





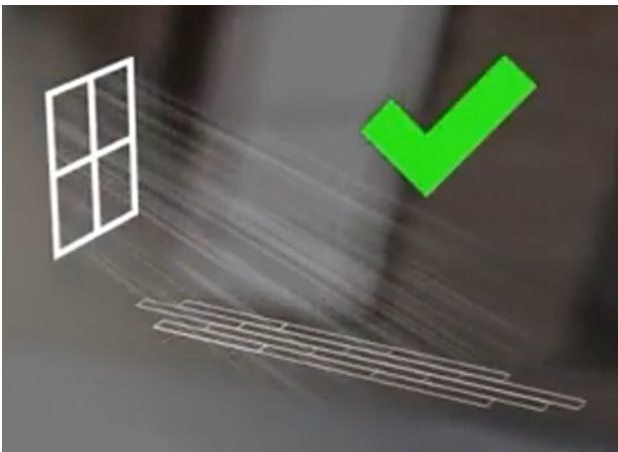
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## Installation:



<https://youtu.be/QepCQBt4kYk>

Once you have decided the starting direction, open multiple packs together, and take one plank from each pack. Always check for defects and breakages before installation. Lay down the Vapor Barrier if it's not present. It is recommended to apply an expansion joint between rooms. The flooring is designed for floating installation; therefore, it should not be fixed in any way. Leave a gap of at least 5 mm between the flooring and vertical surfaces.



As a general rule, the flooring should be installed in the same direction as the sunlight entering from the main window.



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Se posate in una stanza unica non è consigliabile superare la misura massima di 12 m sul lato lungo e 8 m sul lato corto della doga stessa.

If you are installing in a single room, it is not advisable to exceed the maximum size of 12 meters on the long side and 8 meters on the short side of the plank. The minimum width of the panel should not be less than 5 cm, and keep in mind that the ends of the planks must be staggered by at least 1/3 of the length of the plank.



In the case of installation on underfloor heating, in addition to the checks mentioned above, it is advisable to test the heating system before installation. Pacific H2O flooring is designed to be installed on hydronic heating systems without experiencing deformations or damage. However, it is recommended to consult with the heating system supplier. The heating system should not exceed a maximum operating temperature of 27°C and should gradually reach this temperature, increasing by a maximum of 5°C per day.

The ambient humidity should be monitored and should never fall below 35% or rise above 80%.