

TW!STi

Performance & Design on Woven Vinyl Flooring

INSTALLATION MANUAL
02/2025

www.twisti.net

Grupo  Mitera

TECHNICAL FEATURES

Material Designation: Woven Vinyl Flooring

Composição: Finishing Woven Vinyl top layer
Interface layer
Dimension stability fiberglass layer
Vinyl support layer
Acoustic PET Felt PanelSound® layer

TECHNICAL INFORMATION		ROLLS & TILES
Classification	EN 685	Class 33, heavy commercial use
 Weight	ISO 8543	± 3,5 Kg/m ²
 Thickness	ISO 1765	3,50 - 4,20 mm
 Roll Length	EN 426	20 m *
 Roll Width	EN 426	2 m
 Tile Dimension	EN 994	500 x 500 mm
 Dimension Stability	ISO 2551	< 0,25%
 Curvature	EN 434	< 2 mm
 Caster Chair	EN 985	Continuous use
 Body Voltage	ISO 1815	≤ 2,0KV
 Thermal Resistance	ISO 8302	Suitable for underfloor heating
 Color fastness to light	ISO 105-802	> 6
 Anti-slip property	EN 13893	> 0,3
 Reaction to Fire	EN 13501-1	Bfl-s1
 Impact Sound Reduction	ISO 10140	Up to 20 dB
 Walking Noise Reduction	EPLF 0210 29-3	Up to 70%
 Acoustical absorption	ISO 354	a _w =0,15
Smoke Density	ASTM E662	< 450
REACH test	1907/2006	NO. (6614)008-1228-R2
 CE Certification	EN 14041 EN 15114	NO. EC. 1282.OA140305.AYD0738
ISO 9001 Certification	ISO 9001:2008	NO. 04514Q20096R0S
ISO 14001 Certification	ISO 14001:2004	NO. 04514E20029R0S

From different production batches, there may occur differences on the color tone of the material. For a same area it is recommended to use material from the same production batch.

TWISTI final product is obtained by weaving technique, the absolute perpendicularity on the weaving vinyl flooring does not exist, so warps on the pattern are possible to occur, are from the nature of the material production and not accepted as a claim. These occurrences give the authentic appearance of a textile product.

NOTES:

* Rolls with a maximum length of 20 m. For production reasons, they may be supplied in shorter lengths.

TWISTI flooring, despite being easy to install, must be laid by a professional qualified to carry out the work. Any installation procedure not specified in this manual automatically voids the TWISTI warranty.

1. MATERIAL STORAGE AND HANDLING

The material must be stored on a flat surface, in a dry and ventilated place, protected from atmosphere elements and ideally with a temperature between 18°C and 25°C.

Always handle the material with due care to avoid damaging it.

The material must be handled by one or two people, depending on the weight involved.

2. BEFORE THE MATERIAL INSTALLATION

The material must be placed at the application site 24 hours before installation. Ideally it should be installed with an ambient temperature similar to that expected for the space in normal use, between 18°C and 25°C.

Before applying, carefully check the material and make sure there are no visible effects. If there is a defect, never cut or apply the material, if it is cut or applied it will be not accepted as a complaint. The procedure in case of a visible defect should be immediate contact with your supplier.

Before mounting, read this installation manual carefully and create a plan for installation.

3. INSTALLATION TIMING

The application of TWISTI must be carried out as the last work of a contract.

Further work could irreparably damage the material.

4. PREPARATION OF THE PRIMARY FLOOR TO RECEIVE THE TWISTI

The primary floor must be perfectly flat, without any imperfections, as this can be transmitted to the TWISTI surface. Must be equally clean, free from grease, oil or dust.

Remove all residues from any previous coverings, repair the floor if necessary.

Apply a leveling compound following the manufacturer's instructions. The leveling compound must be suitable for each type of primary floor.

After applying the leveling compound, if necessary, sand the surface and remove all dirt and dust. Make sure it is dry and in accordance with the manufacturer's specifications before applying TWISTI.

To apply TWISTI, the primary floor must have a temperature above 15°C and the room air between 18°C and 25°C with a relative humidity between 50% and 75%.

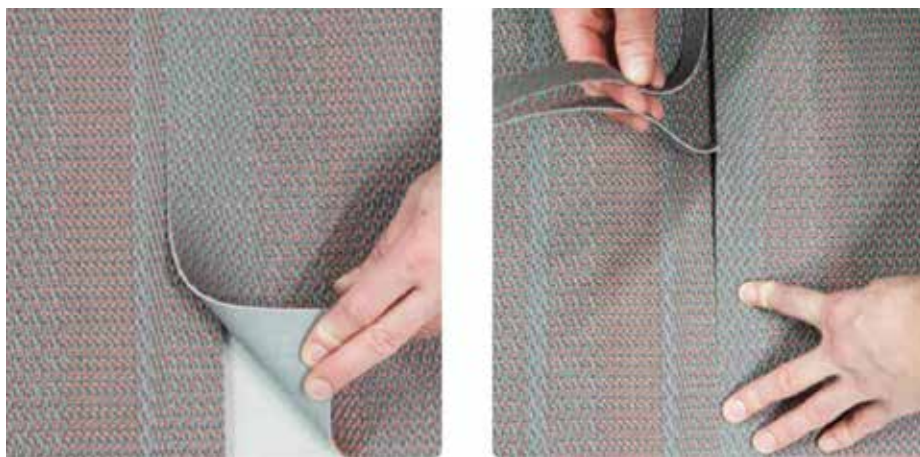
5. INSTALLATION ROLLS

Rolls are installed using a permanent adhesive. Ideally apply rolls from the same production batch to minimize shade variations, which are possible from production to production. After visually checking the material, extend the roll and cut it with a good quality cutter, always before applying the glue.

All the rolls must be placed in the same pattern direction. In some cases the rolls may be numbered, apply the rolls following the numbering order.

At the junction of the rolls panels, the joints must be overlapped (see the image) and then, using a ruler, make a double cut, which will result in a perfect cut. Remove the excess (see the image).

In the case of Fishbone, Fantasy or similar references, for a logical follow-up, the overlapping and cutting must be done according to the pattern.



Sometimes after cutting and gluing, some fiber ends may be visible at the joints, these tend to disappear naturally or if you prefer, use a clean, slightly damp cloth to rub over the fibers, breaking them removing them.

The glue must be applied according to the manufacturer's specifications. Leave the ends of the rolls, where the joints will be, for the final of the gluing, fold these ends back and apply the glue on the created space and then glue it. Use a pressure roller to ensure a good gluing.

6. RECOMMENDED GLUES - PERMANENT ADHESIVE

- Soudal LVT 120FT Special Patterns
- Bostik Power Elastic
- Mapei Ultrabond ECO 560
- Mapei Ultrabond ECO V4 SO
- Uzin KE 2000
- FBall Styccobond F48 Plus

For steps and vertical applications.
(The use of profiles is recommended for the edges).

Mapei Ultrabond 575
Mapei Ultrabond Aqua-Contact
Uzin KE 430

7. AFTER INSTALLATION

Ensure that the gluing is properly carried out, respecting the curing time before using the floor. Then clean and protect the surface of TWISTI until the delivery of the work for greater longevity of TWISTI, all furniture bases / feet must be protected with plastic protection.

Avoid rubber protections, as they can migrate and contaminate the floor. Use a polycarbonate protective plate or similar under office caster chairs.

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Apply a leveling compound following the manufacturer's instructions. The leveling compound must be suitable for each type of primary floor.

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5. RECOMMENDED GLUES - COLAGEM REPOSICIONÁVEL

- Soudal DS-11 CT Carpet Tile
- Mapei Ultrabond ECO Fix
- Mapei Ultrabond ECO 810
- Mapei Ultrabond 3CO 811
- Thomsit K145
- Uzin U2100
- FBall Stuccobond F41
- Collak WA-25

For steps.

(The use of profiles is recommended for the edges).

Mapei Adesilex G20

Uzin KR 430

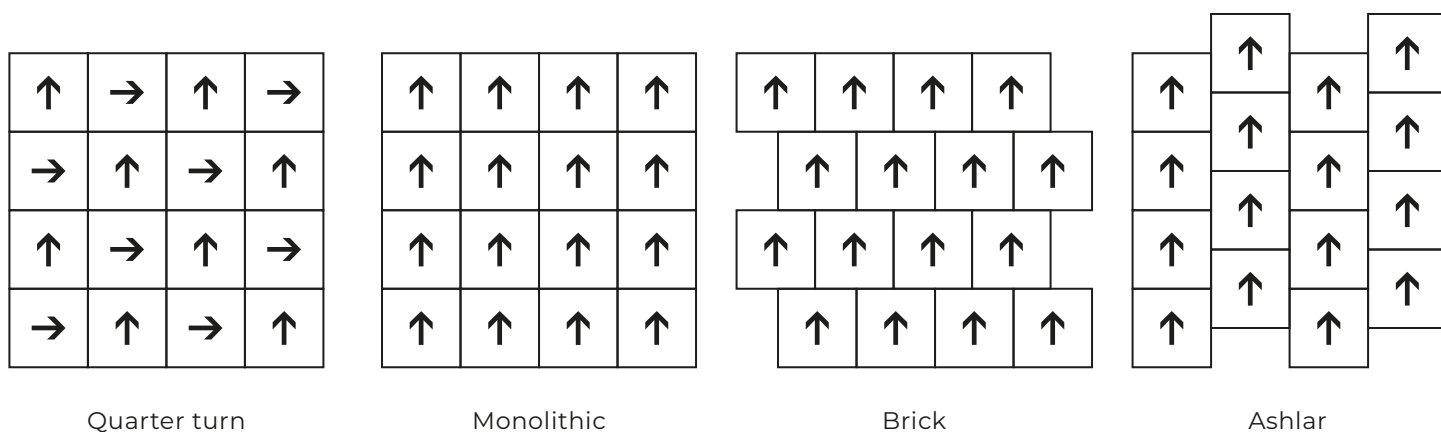
Mapei Ultrabond G21

6. INSTALLATION TILES

Pay special attention to the direction of the pattern of the tiles the desired final effect according to the images below.

To help, the tiles may also have an arrow on the back indicating the direction of the pattern, the tiles can be placed in different options, resulting in a different final effect for each option. Can be placed in quarter turn, monolithic and ashlar.

The option choice will be the one that best suits the project and is up to the designer.

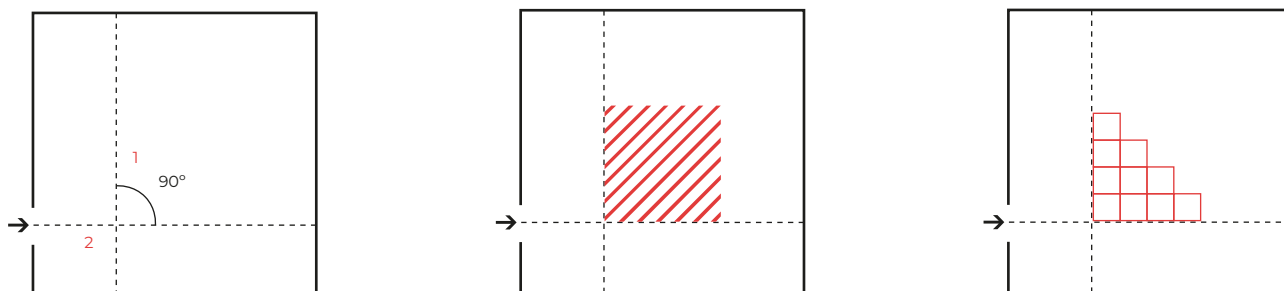


To minimize possible differences in production tone, as much as possible apply batches of the same production in each area.

7. POSITIONING OF THE TILES

Draw two axes on the primary floor, the first perpendicular to the direction of the entrance door. Make sure that this first axes is also parallel to the wall where the door is. See the image.

Before gluing, place the tiles first on the primary floor, according to the pattern and option chosen, (check the visual result). Start this placement at the meeting point of the two axes, according to the image, follow with the other tiles along the axes and from the center to the wall, check the visual effect, if ok proceed to the gluing.



8. GLUING

Remove the tiles (without losing the sense of their position) from the area near the intersection of the axes (red color on the image) and start applying the glue in that area, following the producer specifications. Then replace the tiles on the glue and in the initially defined position. Make sure that they stay perfectly together and aligned. Use a roller to press the tiles so they are well fixed to the floor, knowing however that this gluing allows the tiles to be repositioned.

If small fibers ends are visible at the end of application and gluing, proceed as indicated on the instructions for rolls, in point 5.



9. AFTER APPLICATION

Ensure that the gluing is properly carried out, respecting the curing times before using the floor. The proceed to completely clean of TWISTI and protecting it with cardboard or other suitable material. Until the installation is delivered.

For greater longevity of TWISTI, all furniture base/feet must be protected with plastic protections. Avoid rubben contact, as this can migrate and cintaminate the floor. Use a protective plate under office chairs.

CLEANING AND MAINTENANCE INFORMATION

MAINTENANCE

To maintain its appearance, TWISTI needs to be cleaned regularly..

REGULAR CLEANING

Vacuum TWISTI regularly, such as carpet or a rug.

For a good result use a vacuum cleaner with vertically rotation brushes. Never use a vacuum cleaner with horizontally rotation brushed as this could damage TWISTI.

DEEP CLEANING

This cleaning must be done once or more times a year, depending in the use of TWISTI.

For this cleaning, use an injection/extraction machine with vertical rotating brushes.

There is a wide range of options on the market, from low-cost machines for home use to professional machines with greater capacity.

These machines clean and dry the floor very effectively.



Vertical rotation
brushes *[You can use it]*



Horizontal rotation
brushes *[Never use it]*



Injection/extraction
vertical rotation
brushes *[You can use it]*

DIFFICULT STAINS

Act immediately to prevent the stain from spreading and drying.

If necessary use a spoon to remove any remains or traces of the contaminant (as like for food remains).

Spray the stain with water and a little neutral detergent, wait about 5 minutes and vacuum with a vacuum cleaner suitable for liquids or an injection / extraction machine. If necessary, repeat the operation.

FOR SPECIFIC STAINS

Cold drinks (wines, juices...): use clean water.

Hot drinks (coffee, tea...): use hot water.

Food: water with and neutral detergent.

Ink: water or turpentine.

Oils and fats: hot water with neutral detergent.

Blood: a salt solution or a diluted ammonia.

Plaster: hot water and a little of vinegar.

Red fruits: water.

Shoe sole remains: rub with a clean and dry cloth.

Chewing gum: hot steam or antifreeze spray.

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