

## 1 - NOTES ON THE PRODUCT STORAGE

DoTile® doesn't have particular storage contraindications.

To avoid non-uniform color changes due to the infiltration of sunlight, especially sideways, it is advisable to keep them in the pallet, stored in a shaded area until the time of installation.

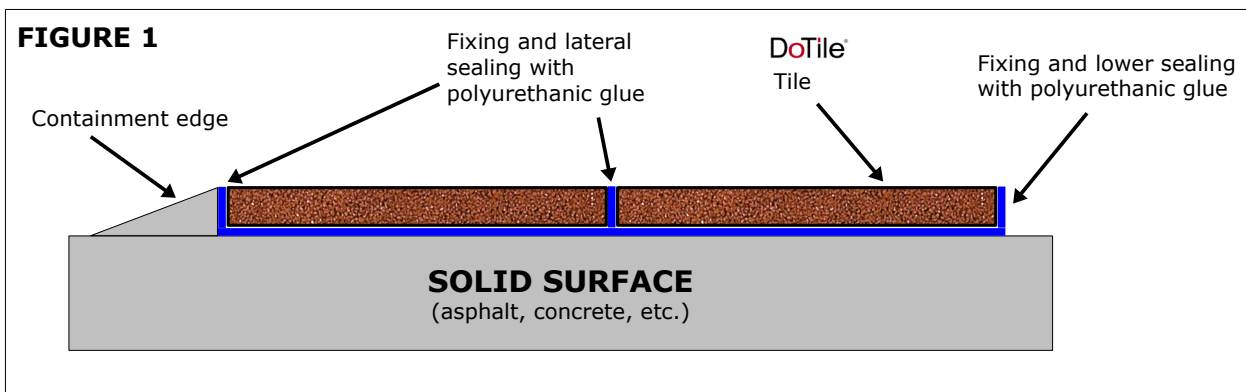
Temperatures below 10°C can stiffen the rubber, making the product more difficult to handle and eventually to cut, during the installation phase.

Avoid the installation and the bonding with temperatures below than 5°C

## 2 – TOOLS AND MATERIALS REQUIRED

### 2.1 Tools

- Great professional cutter with spare blades.
- Metric rope or tape measure.
- Indelible marker pen.
- Chalk marker.
- Jigsaw with blade for wood.
- Knee-pads.
- Working gloves.
- Rubber hammer.



### 3 – SURFACE PREPARATION

#### 3.1 How to get started

DoTile® has very good waterproof properties due to a combination of: water repellent action due to the vulcanized rubber and water repellent nature of the adhesive used for the agglomeration of the manufact.

Solid surfaces (Fig. 1) must have a slight inclination for the lateral drainage.

**Every depression, deep more than 3mm, that can lead to stagnation of condensation water, must necessarily be filled with suitable material.**

Like all rubber materials, DoTile® products absorb heat when exposed to sunlight. This may result on a rise of the surface temperature.

#### 3.2 Criteria for assessing the concrete or asphalt insole (fig. 1)

Thoroughly inspect the homogeneity of levels.

The surface must be mechanically resistant, free of loose material, without any roughness, especially if pointed, free of stones or other foreign matter, free from grease, oil, paint, wax, etc. and sufficiently dry.

To avoid standing water, it is recommended to make a slight slope insole allowing the drainage towards the edges.

Cementitious substrates must not be subject to shrinkage after the installation of the tiles, in good weather, cement screeds must be made at least 28 days before, unless they are made with special binders for screeds.

#### 3.3 Evaluation criteria for the choice of the adhesive

The type of glue, needed for application of DoTile®, must ensure cohesion between the solid surface of concrete and the tile surface made of elastic rubber, it has also to ensure a perfect sealing of surfaces and must have the following characteristics:

- impermeability
- weatherproof
- elasticity
- anti-mold

**Impermeability:** must not allow the infiltration of water below the surface (between the insole and DoTile®).

**Weatherproof:** in case of external applications must ensure stability and durability, since they are exposed to the weather.

**Elasticity:** must allow the normal deformation, due to variations of environmental temperature or mechanical expansions, of the material with which it is composed

DoTile®, ensuring the proper adhesion with the solid surface below.

**Anti-mold:** must not allow the proliferation of mold.

### 4 – SIZE CHECK AND PERPENDICULARITY

The tolerance on the dimensions of the DoTile® tiles is equal to +/- 1%. Further changes can be due to:

- Elastic compression of the tiles arranged in pallets.
- Thermal expansion due to external temperature.

To minimize the problem of variations in size, it is suggested to:

- Lay the tiles in a continuous manner avoiding interruptions that may increase the risk of different environmental conditions.
- Remove the product from the pallet and place it on the ground 24 hours before installation.
- Avoid laying with temperature below than 5°C.
- Complete the installation in a single continuous session avoiding long periods of interruption. This to guarantee constant ambient conditions.

### 5 – INSTALLATION OF DoTile® TILES

#### 5.1 Drawing up of the adhesive

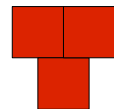
Is applied to the solid surface below using a notched trowel. Choose a trowel that will give a complete coverage of the back of the tiles. To obtain a good adhesion, first spread a thin layer of glue on the base using the smooth side of the trowel and, immediately after, apply the desired thickness of adhesive with the notched trowel, in relation to the type and size of the tiles. Spread the adhesive on the back of the tile to ensure complete coverage.

Depending on the reaction characteristics of the adhesive chosen, treat the surface according to the installation times of DoTile®.

#### 5.2 Installation

Lay the tiles as shown in figure, with the "T" installation method, in the manner set out in the previous chapter.

- Begin 1st row with an entire tile.
- Continue with the 2nd row, beginning it with a half tile.



This configuration makes the surface of the tiles cohesive, solid and facilitate the laying.

The tiles should be installed under a strong pressure to ensure the coverage of the adhesive.

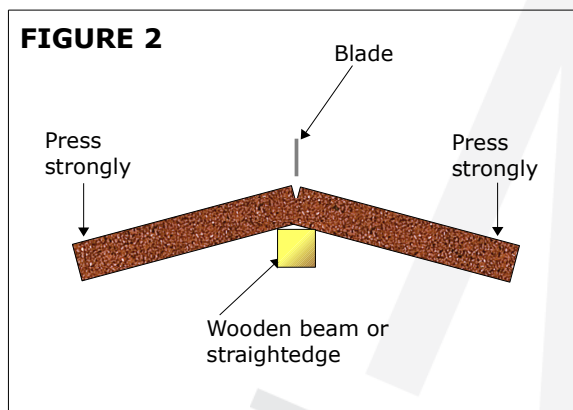
Maintain a gap of approximately 3mm between the tile and

tile, and fill it with adhesive to form the sealing that prevents the drainage of water below the surface.

To cut the tiles use a professional large size cutter or a jigsaw with a blade for wood.

In case of circular edging, cut the tiles along the radius of curvature.

During the cut is recommended to bend the plate to the outside (Fig. 2) to facilitate the passage of the blade decreasing the friction with the rubber. Wetting the cutter blade with water can facilitate its sliding.



After the bonding of the surface, protect the flooring with tarpaulins, it doesn't have to be washed or exposed to rain for at least 24 hours and must be protected from frost and direct sunlight for at least 2-4 days.

**Even if the quality standards of DoTile® are high, the color of the plates may not be perfectly homogeneous, since part of the material which composes them comes from recycling. If possible, it's recommended to take the material to lay from different pallets alternately.**

## 6 – MAINTENANCE OF THE LAID SURFACE

DoTile ® doesn't require special maintenance measures, both materials and adhesives used for the construction of the tiles, are stable over time. Additionally, the rubber used, by its nature, is mold resistant and not attackable by bacteria.

When laying outdoors, rain is the best natural cleaning system. Dirt and dust that may have accumulated, will be carried away by the water, which will slip in the drainage

system. It is possible to wash the surface with normal detergents for floorings or products for sanitizing, but cleaning it with hot water and soap is the best way to wash away any grease or oily substances and to restore the color brilliance. It is recommended, once a year, to clean the product with a low pressure hydro-cleaner, to restore the color brilliance (minimum distance between nozzle and surface 1 meter).

Since the surface is intended, in the event that is being used in an outdoor environment, to the potential contact with organic substance of vegetable origin, traces of soil and dust carried by the wind, it is recommended to use a detergent with disinfectant properties, for a periodic hygienic treatment.

## 7 – REACTION TO CHEMICAL AGENTS

There have been carried some internal tests to verify the behavior of the material and the colored surface, in the event of contact with chemical agents normally dissolved in the water of swimming pools.

Those tests haven't found any abnormal reaction, of the colored surfaces and the material, in case DoTile® is subjected to concentrations up to 5 times higher than the average normally used.

## 8 – RESPONSIBILITY

The installation guidelines presented in this document represent a typical case and must be accompanied by the general rules of execution of flooring installation works. It is recommended the use of specialized personnel for an optimal performance of the installation work.

Metem doesn't ensure any installation of its products and, in particular, it disclaims any liability for any damage or injury resulting directly or indirectly from improper or inadequate installation.

## TERMS OF GUARANTEE

Metem srl hereinafter referred as "Producer".

DoTile® hereinafter referred as "Product".

### The Producer declares that:

- a. The warranty period offered is equal to the statutory warranty, from the delivery date of the Product on the place of installation.
- b. That the Product complies with the technical data sheets and technical publications provided by the producer during the sale.
- c. That the Product complies with the following features:
  - the wear of the floor will not exceed 0,5 mm per year, even in case of intensive use of the area.  
The granules in the upper layer is colored in mass, this ensures that the coloring of the tiles will always remain homogeneous and free of stains.
  - The product complies with DIN 51097.  
The test di has been performed by the Centro Ceramico of Bologna in accordance with the norm DIN 51097. The class and the mean angle of slipping, reported on technical specifications of the product, emerge from these tests in the laboratory.  
The Producer ensures for the slipping class specified in the data sheet of the Product.
  - The product is defined "Antibacterial and Anti-mold" according to the UNI 11021:2002 App.A norm, as it is not favored the growth of bacteria or molds.
- d. In case of justified defect, relative to the characteristics mentioned above, the Producer will fully implement its obligations of warranty replacement of the defective product.

This warranty covers only the materials. The Producer is not liable for product damage during transport and installation.

### Conditions of decay of the warranty by the Producer:

- a. The Product presents partial or whole defects, due to the installation not in accordance with installation instructions.
- b. The Product has been installed on a surface whose characteristics are not conform to what is stated in the installation instructions.
- c. The Product has been subjected to improper use, cleaned with strong chemicals or subjected to other treatments not approved by the manufacturer.
- d. Alterations or repairs to the laid surface made without prior consultation, consent or authorization from the Producer.
- e. Denial by the purchaser to permit the access to the installation area for testing purposes or supervision of the siting, against the Producer during the warranty period.
- f. In case of a claim for defects caused by negligence, abuse, vandalism, accidents.
- g. In case of a claim for defects caused by natural disasters.
- h. If the buyer doesn't respect the terms and conditions mentioned in this document.
- i. If the buyer doesn't comply with the payment of the purchased product.

This warranty replaces any previous warranties, which result obsolete or in conflict with the terms and conditions of this document.