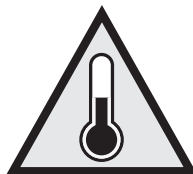


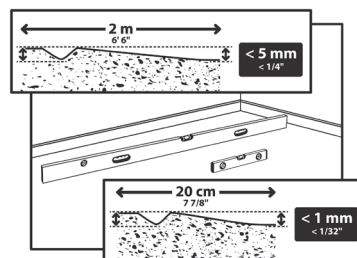
All floor and wall coverings should be examined prior to installation for any visible defects.

Differences in colour on rubber floor coverings are regarded as visual defects and will not be taken into account by GERFLOR.

If there are any visible defects, please notify GERFLOR and do not begin installation without its prior approval.



Ambient Temperature  
between 15 and 25°C  
between 59 and 77°F



## 1. FOREWORD

Useful dimensions to be measured:

PRODUCT	overall DIMENSION	THICKNESS	AREA OF USE	LAYING DIRECTION	JOINT TREATMENT	SURFACE TREATMENT
POWERSHOCK 300	50 cm x 50 cm (+/- 0,8%)	30 mm (+/- 2)	Crossfit and heavy weights areas	No directional sign provided. The side with the T-connection must be laid along the length of the room	T-Connection system	NO
PRODUCT	STATIC LOAD		DYNAMIC LOAD			
POWERSHOCK 300	10 kgs/cm <sup>2</sup>		We recommend the installation of 15 mm load-distribution panels for the movement of machines or others			

## 2. AREA OF USE

The Powershock 300 tiles are designed to be installed in crossfit and heavy weights areas.

## 3. SUBSTRATES

Refer to 101 Installation site Conditions and Subfloor on the Gerflor website.

### 3.1 REQUIREMENTS RELATING TO SUBSTRATES AND PREPARATION OF SUBSTRATES - REFURBISHED SUBSTRATES

#### CRITERIA FOR REMOVAL OR RETENTION OF THE EXISTING FLOOR COVERING:

If the defective surface (damaged floor covering, etc.) is < 10 % of the area, the floor covering is retained.  
If it is more than 10 %, the floor covering is removed completely.

#### 1. Rough concrete or painted concrete

Preparation identical to that of new substrates

#### 2. Ceramic tiles

On old retained ceramic tiles:

Application of PLANIPATCH (filling of removed tiles on substrate not subject to rising damp) and ULTRACOLOR or KERACOLOR product From Mapei (filling of hollow joints)

#### 3. Resin floors without defects are retained

Resin floors with defects are retained and repaired if a new floor covering is to be installed by uncoupled laying.

Isolated repair: The resin is removed by milling or sanding followed by suction. It will be replaced by a resin of similar type.

#### 4. Semi-flexible PVC tiles and rolls

Floor coverings with foam backing must be systematically removed.

#### Floor coverings without foam backing:

To install rubber on PVC rolls can create a migration (dark color) on the PVC.

#### Removal of tiles or rolls with defects:

The tiles or rolls with defects, as well as the non-adherent underlying portions, are removed with a manual scraper.

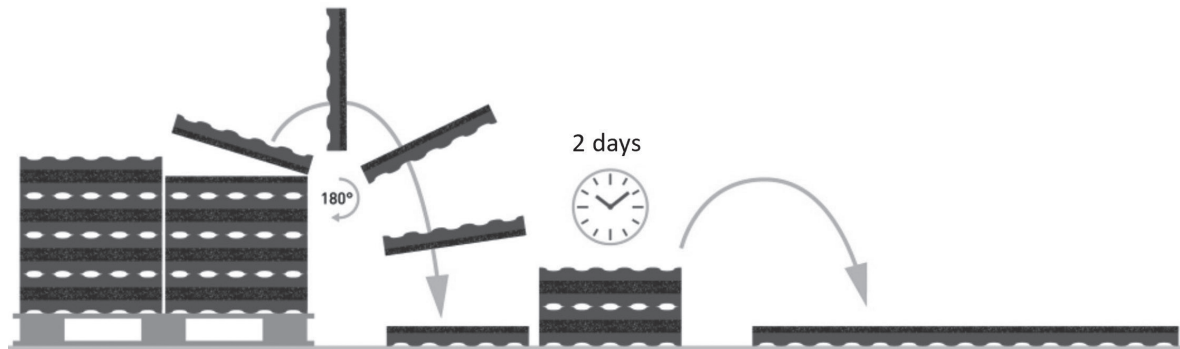
#### Filling:

Reconstitution of the floor is carried out depending on the thickness, either with a patching or dressing compound, or with a Sika (Sikatop 121 surfacing), Lanko (730 Lankorep fin), Mapei (Planitop) repair mortar

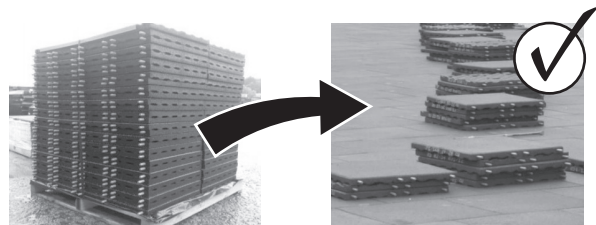
## 4. LAYING POWERSHOCK 300 TILES

### 4.1 STORAGE, WORK CONDITIONS & PREPARATION

Subfloor must be clean and flat before installation. The ambient temperature of the venue for storage and installation must be between 15°C and 25°C. In order to be fully acclimated, tiles must be removed from pallets 2 days before the installation as below:



- Tiles must be reversed of 180° when depalletized.
- First tile on the subfloor must be on its back side.
- Tiles must be stacked finished side to finished side and back side to back side to avoid scratches.
- During these 2 days, tiles must be stored in stacks of no greater than 6 tiles.

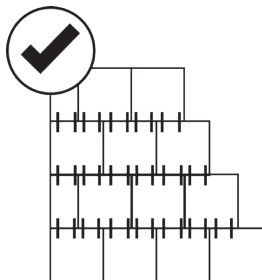


**DO NOT MIX BATCHES**

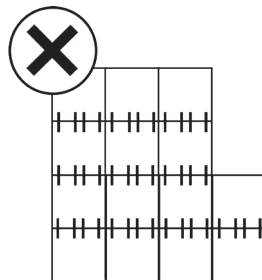
### 4.2 RULES FOR TILES ASSEMBLY

Tiles positioning and T-Connection system must block tiles between each others.

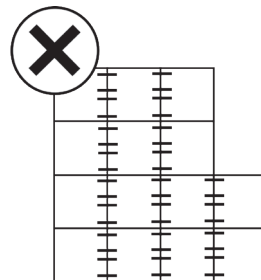
As such, refer schemes below: tiles have to be installed as brick (staggered) and T-Connection system must join lines of rows staggered together.



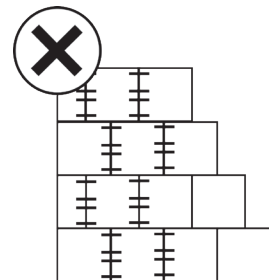
*Correct installation: tiles are not able to move any more. Rows are blocked with tiles assembly as brick and T-connection between rows.*



*Incorrect installation: columns of tiles are not linked and may let appear gaps or move all together.*



*Incorrect installation: rows of tiles are not linked and may let appear gaps or move all together.*



*Incorrect installation: rows of tiles are not linked and may let appear gaps or move all together.*

### 4.3 INSTALLATION

Installation has to be done in one day to realize tiles adjustments in the same conditions. To facilitate laying, the tiles are laid in rows.

Respect the laying direction of tiles which is defined by the T-Connection system (refer §4.2) that must be laid along the length of the venue.

Insert the T-Connections properly (4 per tile) provided with the tiles in order to make it easier to install the next row.

#### TIP:

The dimensional tolerances of the tiles may leave gaps. Use a soft hammer to close gaps as much as possible.

In order to obtain an optimal final appearance:

- For installations at the edge of the wall, make a blank installation from the axes of the centre of the installation in order to cut the tiles edge. Lay the tiles starting along the wall which will be used as a support to clamp the tiles together.
- For installations not surrounded by walls, start laying along an axis. Laying loads on the first row of tiles to hold it and facilitate the clamping of the tiles in the following rows.

## 4.4 EDGE TRIMMING

Use a jigsaw to cut tiles easily. The tiles may also be cut using a cutter equipped with a straight blade several times. Large blades are recommended.

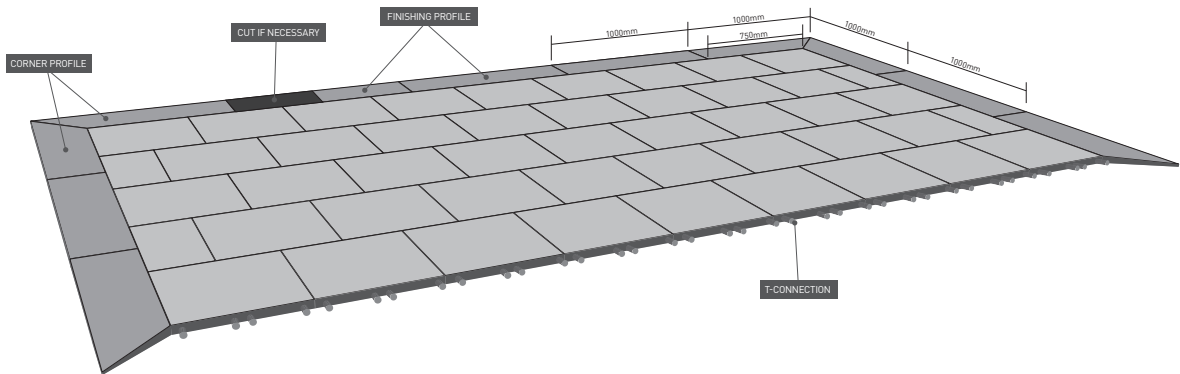
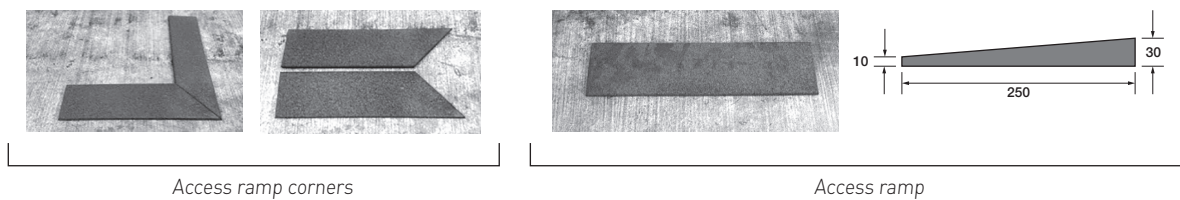
## 4.5 FINISHING

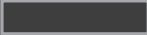
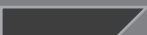
### 4.5.1 Joining a wall

In order to have the best finishing we recommend to put skirtings on the wall over the tiles.

### 4.5.2 Joining an other flooring

There are access ramps in case of loose-lay in the middle of the room or in a corner of the room:



	COLOUR	THICKNESS	DIMENSIONS	PACKAGING	ITEM CODE
<b>ACCESS RAMP</b> 	Black	from 30 to 10 mm	1 m x 25 cm	Depending on the surface	S3490001
<b>ACCESS RAMP CORNER</b> 2 UNITS = ONE RIGHT ANGLE 	Black	from 30 to 10 mm	1 m x 25 cm		S3480001

### Installation:

#### 1<sup>st</sup> SOLUTION: Gluing of access ramps and corners

These ramps must be glued or adhesive-taped to the substrate. They must be sealed with the last row of tiles and on the small side. Two-part PU sealant, OTTOCOLL P83 (grey) or equivalent.

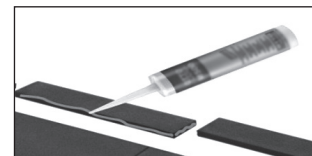
#### Adhesive Type:

Carefully follow the adhesive manufacturer's recommendations

- On substrates with moisture risk:  
Colles Bostik PU2K adhesive: Bostik PU456 in France, Nibofloor PU16 in Germany, Startac Outdoor in Nordic countries, Green Fusion 2 in US/Canada.
- On substrates without moisture risk:  
Bostik adhesive : Power Elastic (in numerous countries), Miplafix 800 (France, Spain, Eastern Europe, Russia), Nibofloor S800 in Germany, Startac Power in Nordic countries

#### Double-Sided Adhesive:

- On substrates with moisture risk:  
Epoxy primer (Eponal 360 from Bostik) + double-sided adhesive: Gerflor (Fix&Free), Bostik (Bostik Roll adhesive), Sifloor (Sigan 1, 2 or 3).
- On substrates without moisture risk:  
Acrylic emulsion primer + double-sided adhesive: Gerflor (Fix&Free), Bostik (Bostik Roll adhesive), Sifloor (Sigan 1, 2 ou 3).



## 2<sup>nd</sup> SOLUTION: Secured by corner protection

If it is not possible to glue or adhesive-tape the ramps to the substrate, we recommend that you fix a corner protection

- Place the corner protection on the floor
- Plug and Screw
- If you do not wish to drill the substrate, you can secure this corner protection with plenty of sealant
- Apply the sealant in the corner protection and position the ramp on top by maintaining strong pressure for 24 h

