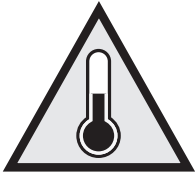
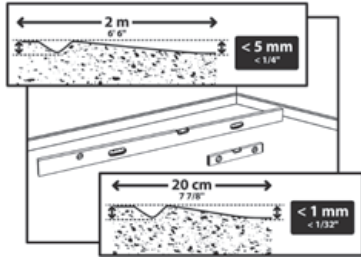


[1150] POWERSHOCK 60, 90, 100 AND 300



Ambient temperature
from 18 to 27 °C
from 65 to 80 °F



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.

1. FOREWORD

Useful dimensions to be measured:

PRODUCT	overall DIMENSION	THICKNESS	AREA OF USE	LAYING DIRECTION	JOINT TREATMENT	SURFACE TREATMENT
POWERSHOCK 60 (FLECK OR STONE)	1.021 m x 1.021 m	6 mm	Fitness Centre Indoors excluding weightlifting and CrossFit zones	Directional sign (arrow) provided on the back. Laying in the same direction.	Dovetail assembly	NO
POWERSHOCK 100 (FLECK OR STONE)	1.021 m x 1.021 m	10 mm		No directional sign provided. The large side must be laid along the length of the room to limit waste.		Application of a PU emulsion possible if the floor covering is glued: RZ turbo protect zero
POWERSHOCK 90	1.00 m x 1.50 m	9 mm	Weightlifting and CrossFit zone	No directional sign provided. The side with the T-connection must be laid along the length of the room	T-Connection system	NO
POWERSHOCK 300	50 cm x 50 cm	30 mm				

PRODUCT	STATIC LOAD	DYNAMIC LOAD
POWERSHOCK 60 AND POWERSHOCK 100	30 kgs/cm ²	We recommend the installation of 15 mm load-distribution panels for the movement of machines or others
POWERSHOCK 90	10 kgs/cm ²	
POWERSHOCK 300	10 kgs/cm ²	

2. AREA OF USE

- These tiles are designed to be installed indoors in fitness centres.
- The Powershock 300 tiles are designed to be installed in the weightlifting and crossfit zone.

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.

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[1150] POWERSHOCK 60, 90, 100 AND 300

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 THE POWERSHOCK 60, 90 AND 100 TILES

4.1 STORAGE & WORK CONDITIONS

All floor and wall coverings should be examined prior to installation for any visible defects. If there are any visible defects, please notify GERFLOR and do not begin installation without its prior approval.

Since these premises are climate-controlled, the floor covering is not subject to temperature variations of more than 20°C. Tiles should be stored on site for 24 to 48 hours beforehand at ambient temperature.

DO NOT MIX BATCHES

4.2 LAYING METHOD

POWERSHOCK tiles can be bonded, but they are essentially intended for loose (non-adhesive) laying, in single pieces limited to 500 m². For larger surface areas, the surface is split into 500 m² sections and the joints between areas are bonded.

4.3 INSTALLATION

4.3.1 General

If tiles are laid along a large length, the glue should never be applied exceeding more than 20 rows of tiles.

Bay windows: In front of bay windows, glue to the sunny surface

In case of glue-down:

We recommend bonding with a two-part glue, with a coverage of 350/400 gr/m² using a spatula equipped with a B1 blade (TKB).

* Refer to the adhesive manufacturer's directives for the choice of suitable glue and spatulas.

Bonding can also be studied according to an accurate layout in order to be applied only on sensitive areas such as turning zones or areas with heavy traffic.

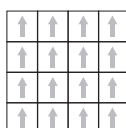
4.3.2 Laying the POWERSHOCK 60, 90 and 100 tiles

Precautions

The tiles are delivered on a pallet. Different batches must not be mixed together.

Laying direction

POWERSHOCK 60 and 100 tiles are ALL laid in the same direction. Observe the direction indicated by the arrow on the back of the tile.



POWERSHOCK 90 tiles are not provided with directional signs and can be laid in any direction.

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

EXTRA-WIDE DOUBLE-SIDED ADHESIVE:

• On substrates with moisture risk:

Epoxy primer (Eponal 360 from Bostik) + extra-wide double-sided adhesive: **Gerflor (Fix & Free)**, Bostik (Bostik Roll adhesive), Sifloor (Sigan 1, 2 or 3)

• On substrates without moisture risk:

Acrylic emulsion primer + Extra-wide double-sided adhesive: **Gerflor (Fix & Free)**, Bostik (Bostik Roll adhesive), Sifloor (Sigan 1, 2 or 3)

Dimensional tolerances

Pressed materials, such as POWERSHOCK tiles, may have dimensional tolerances between series or between colours, which can vary from + or - 1.5 %.

In this case, the tiles may:

• No longer be suitable for interlocking

In this case, envisage cutting dovetails and sealing (Mastics from BOSTIK MSP range) the tiles after gluing over 20 cm on either side of the cut.

• Or interlock too easily

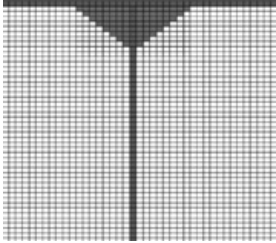
In this case, glue both tiles to ensure that they do not come apart over time.

[1150] POWERSHOCK 60, 90, 100 AND 300

4.3.2.1 Layout

The laying of tiles over large areas must always be done by working from the two guidelines marked out, either along a wall (see drawing) or in a cross pattern from the middle of the room.

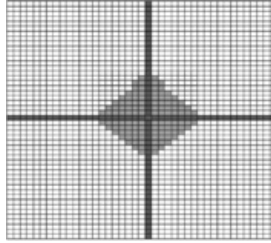
Example : Laying tiles with POWERSHOCK 60, 90 or 100



Laying along a wall

Start in the middle of the layout.

Lay the tiles in a staircase pattern on either side.



General case

Start in a cross pattern from the middle of the room.

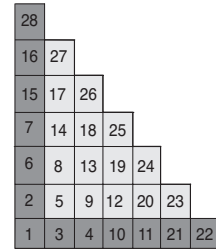
Lay the tiles in a staircase pattern $\frac{1}{4}$ by $\frac{1}{4}$ of the room.

Installation :

Lay in steps for easier tile interlocking and to prevent displacement. The tiles are laid in step and ALL in the same direction (see arrows on back of tiles).

Interlocking of tiles (procedure, tools, etc.), adjustment:

- The tiles are interlocked by striking with a synthetic mallet or a non-rebound mallet and a wooden block.
- The interlocking is always done by starting at the corner of the tile.

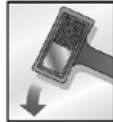


■ Guideline tile
□ 'Filling' tile

TOOLS REQUIRED:

Cutter - Tape measure - Metal rule - Metal tracing wheel - Wooden or synthetic resin mallet

Non-rebound mallet



NON-REBOUND Mallet	ROMUS	JANSER	WOLFF
	94964	262 469 045	Referencing in progress

Edge trimming:

The tiles are to be laid out such that any cut edges are more than 1/2 tile wide

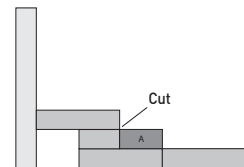
Cutting (procedure, tools, etc.):

- Edge clearance: in standard sections, the peripheral clearance is 0.5 cm
- Cuts are to be made with a trimming knife (several cuts on the top surface and one on the back) or by overlap cutting

Overlap cutting: A procedure for marking or cutting out parallel lines.

For this, a marking gauge or a tile gauge is used:

- Position the tile to be cut on the last full tile laid
- Take a full tile to use as a gauge.
- Lay it on the tile to be cut, pressing on the partition (wall). Leave a clearance of 0.5 cm
- Mark the tile to be cut along the edge of the gauge using a cutter with a straight blade
- Cut the part of the tile to be laid neatly and put it in place
- For difficult areas (door frames, etc.), use high leverage gripper shears



	MITRE SHEARS	HIGH-LEVERAGE GRIPPER SHEARS
REFERENCE	ROMUS : 93415 JANSER : 237 530 000	JANSER : 262 284 000
USE	For cutting around door frame bases and areas that are difficult to access.	



Overlap cutting

SPORTS FLOORS

[1150] POWERSHOCK 60, 90, 100 AND 300

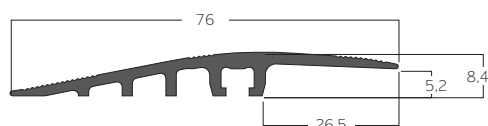
4.4 SPECIAL FEATURES

4.4.1 Ends and doorways

Use the following profiles according to the conditions of use: intensity of traffic, humidity level, etc.

FINISHING PROFILE 0505 FOR POWERSHOCK 60:

- 3 m long profile with 10 x 4.6 mm diameter drilled holes.
 - The centre distance between the holes is 313 mm
 - The first hole is 90 mm from the end



- TFZ 4 x 50 mm screw and 6 x 30 mm plug (provided)



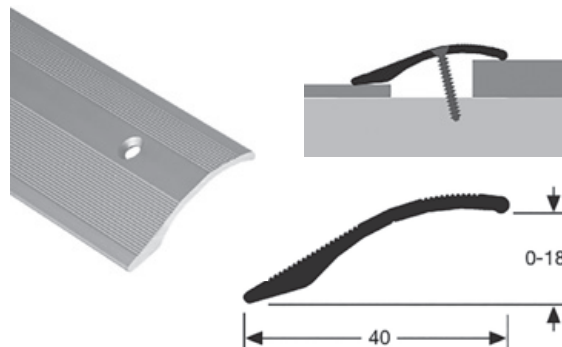
TFZ screw, diameter 4 mm and length 50 mm



Plug, diameter 6 mm and length 30 mm

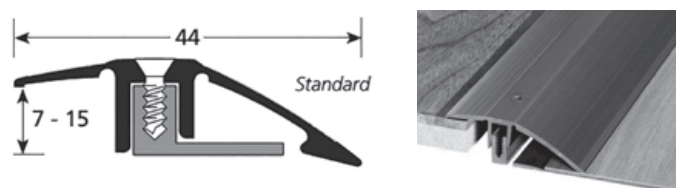
FINISHING PROFILE REF 1941/1946 OF ROMUS FOR POWERSHOCK 60:

- 1 m or 2.70 m long profile, adjustable height from 0 to 18 mm, delivered with screws and plugs



FINISHING PROFILE REF 1220/1221 OF ROMUS FOR POWERSHOCK 60, 90 AND 100:

- 0.90 m or 2.70 m long profile, adjustable height from 7 to 15 mm, delivered with screws and plugs



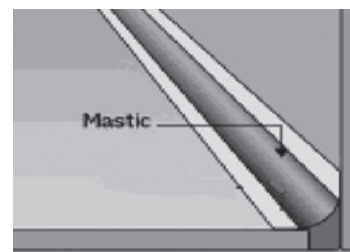
4.4.2 Sealant application in peripheral clearance

We recommend applying a sealant compatible with the rubber in the edge clearance to prevent any water or other penetration.

- Sealants of the MSP range from BOSTIK

4.4.3 Putting fixtures back in place

- Fixtures should be put back in place before the distribution plates to prevent slippage of the loose laid material.
- Any damage to the material caused by putting fixtures back into place shall not be accepted by the installer or material manufacturer.



Peripheral clearance, sealant overlay

4.5 REPAIRS AND MAINTENANCE

Monitoring, maintenance and repair

The user should regularly monitor that the structure appears to be securely in place and notify the client and/or original installer of any anomalies that the user believes may result in potential risks for the durability of the structure.

The technical analysis, requested by the user from the other parties, should differentiate between ageing due to normal wear and tear due to the traffic and use of the premises and accidental damage.

If the observations made by the user are found to be justified following the technical analysis, the installer shall conduct the repair work within the scope of his contractual and/or legal commitments.

Note :

As part of this monitoring, the user should report any accidents linked with the operation of the premises without delay for repairs, in particular: cuts due to falling sharp objects, etc.

This maintenance may be carried out by the user's maintenance department.

[1150] POWERSHOCK 60, 90, 100 AND 300

Replacing POWERSHOCK tiles

• Replacing an adhesive-free tile

- Cut a corner of the damaged tile
- Disengage the dovetails
- Fit a new tile in place, observing the laying direction.

• Replacing an adhesive-bonded tile

- Cut a corner of the damaged tile
- Disengage the dovetails
- Cut and replace the adhesive
- Fit a new tile in place, observing the laying direction.

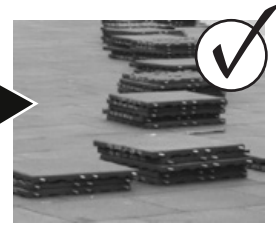
If a double-sided adhesive is used, we recommend that you contact the adhesive manufacturers such as Bostik (Bostik Roll Adhesive), Sifloor (Sigan 1, 2 or 3), Gerflor (Fix & Free)



5. LAYING THE POWERSHOCK 300 TILES

The tiles should be depalletized and placed in packs of 5, 24 h before laying.

The tiles should all be laid in one day in order to maintain the same weather conditions during laying.



■ 5.1 STORAGE & WORK CONDITIONS

All floor and wall coverings should be examined prior to installation for any visible defects. If there are any visible defects, please notify GERFLOR and do not begin installation without its prior approval.

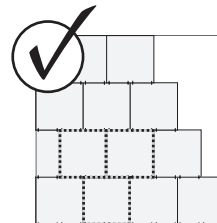
Since these premises are climate-controlled, the floor covering is not subject to temperature variations of more than 20°C. Tiles should be stored on site for 24 to 48 hours beforehand at ambient temperature.

DO NOT MIX BATCHES

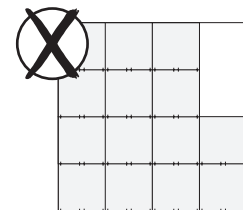
■ 5.2 LAYING METHOD

The installation of this product requires laying in staggered joints.

Mark two guidelines beforehand, either along a wall, or in a cross pattern from the middle of the room



Correct installation



Incorrect installation

■ 5.3 INSTALLATION

To facilitate laying, the tiles are laid in rows.

Respect the laying direction of tiles which is defined by the T-Connections that must be laid along the length of the room.

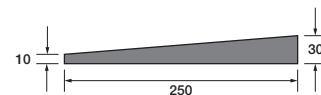
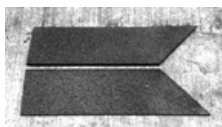
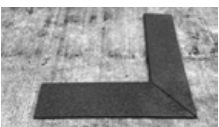
Insert the T-Connections properly (4 per tile) provided with the tiles in order to make it easier to install the next row.

■ 5.4 EDGE TRIMMING

The tiles may be cut using a cutter equipped with a straight blade several times. Large blades are recommended.

■ 5.5 FINISHING

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

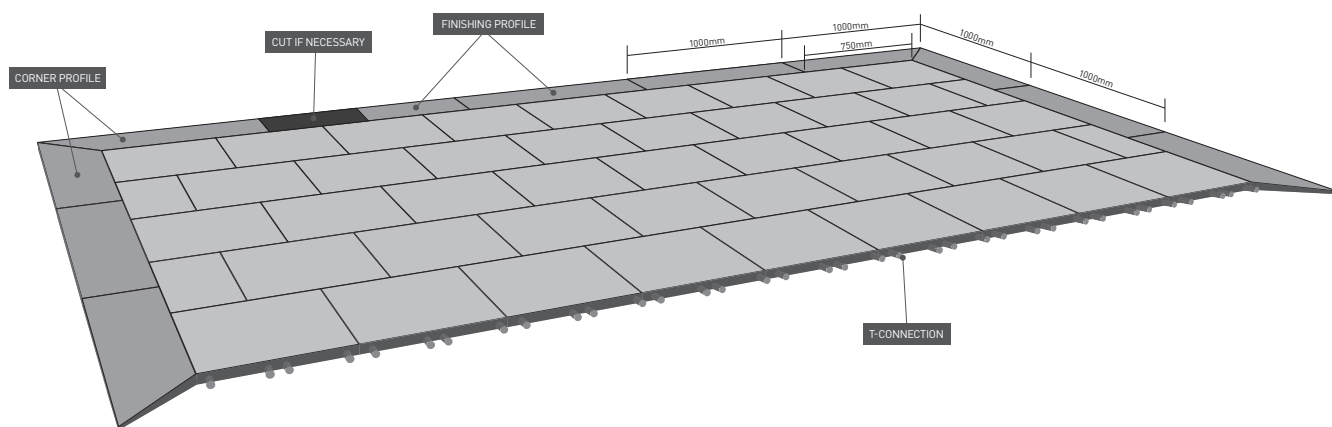


Access ramp corners

Access ramp

SPORTS FLOORS

[1150] POWERSHOCK 60, 90, 100 AND 300



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

Installation:

1st SOLUTION: Gluing of access ramps and corners

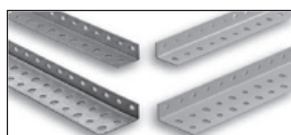
These ramps must be glued or adhesive-taped to the substrate (see the ref. paragraph 4.3.1). They must be sealed with the last row of tiles and on the small side. Two-part PU sealant, OTTOCOLL P83 (grey) or equivalent.



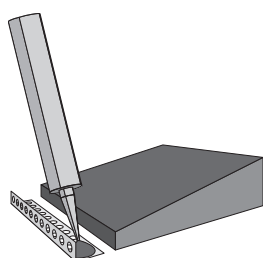
2nd SOLUTION: Secured by corner protection

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

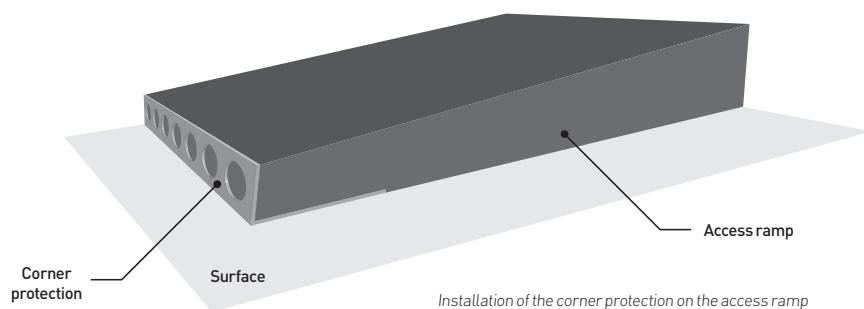
- Place the corner protection on the floor
- Plug and Screw
- If you do not wish to drill the substrate, you can secure this corner protection with plenty of sealant
- Apply the sealant in the corner protection and position the ramp on top by maintaining strong pressure for 24 h



Corner protection



Applying sealant in the corner protection



[1150] POWERSHOCK 60, 90, 100 AND 300

6. VERNIS

PRODUCT	SURFACE TREATMENT
POWERSHOCK 60 (FLECK OR STONE)	NO
POWERSHOCK 100 (FLECK OR STONE)	NO
POWERSHOCK 90	Application of a PU varnish possible if the floor covering is glued: RZ turbo protect zero
POWERSHOCK 300	NO

The rubber floor coverings are flexible. For this reason, we do not recommend that you varnish them. The sealer risks cracking them at the connections or during their eventual removal.

It is however possible to varnish Powershock 90, provided that it is glued or adhesive-taped (see paragraph 4.3.1).

- We recommend that you apply **RZ turbo protect zero** varnish. Follow the sealer manufacturer's recommendations.
- It is possible to request technical data and installation sheets from GERFLOR.

Apply the suitable sealer with a paint roller (RZ turbo roller, 25 to 60 cm wide, microfibre from 8 to 10 mm).

Spread it uniformly on the floor covering after cleaning it.

Follow the manufacturer's recommendations.

Reminder: Powershock 90 must be glued or adhesive-taped to be varnished, in order to avoid a curling or bleaching effect directly below dovetails.

This method thus allows the tiles to no longer be moved.

This sealer can also cause bleaching directly below impacts caused by heavy objects, such as dumbbells.

