

TERRACOVER ICE[®]

User Guide

This publication has been produced as an aide to installing your TERRACOVER ICE[®] System and accompanying Accessories. Whilst every care has been taken to ensure the contents are both thorough and accurate it should be used as a guide only.

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Introduction:

This User Guide is designed to act as an aid for laying, lifting and maintaining your Terracover ICE[®] System following Initial Fitting.

Initial Fitting, including cutting to fit your dashers and welding the cut edges, will be undertaken by your supplier prior to your first use. An overview of Initial Fitting process is covered in Appendix A at the end of this User Guide.

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1.1

Definitions

- 1.1 Tile
A Tile refers to one Terracover ICE[®], each Tile measures 4m².
- 1.2 Overlapping Edge
The two edges of the top side extend beyond the body of the Tile by 15 mm. This is the Overlapping Edge.
- 1.3 Bevelled Edge
The two edges of the top side have a recessed groove along the edge of the body of the tile and are called the Bevelled Edges.
- 1.4 Camlock
Each camlock has a slot in the top that can be seen on the top surface of the Tile and is used to secure one panel to the next.
- 1.5 T-Bar
A tool used to lock and unlock camlocks.
- 1.6 Tile Topside
The topside has a surface incorporating the Terracover ICE[®] logo and an arrow which indicates installation direction.
- 1.7 Tile Underside
The underside is smooth with holes indicating the locations where the cones were formed during manufacture.
- 1.8 Trolley
Wheeled cart fitted with steering and brake to move Tiles.
- 1.9 Banding
A strap placed tightly around a stack of Tiles which secures them to the pallet.

2. Health & Safety

2.1 Risk Assessments:

Risk Assessments should be undertaken prior to commencement. An example is available on the Terraplas® website but it should be noted that this is an example only and specific modifications will be needed for each individual site.

2.2 PPE:

All personnel should be issued with PPE (personal protection equipment) including, but not limited to strong boots preferably with reinforced toe caps, high visibility vests and gloves.

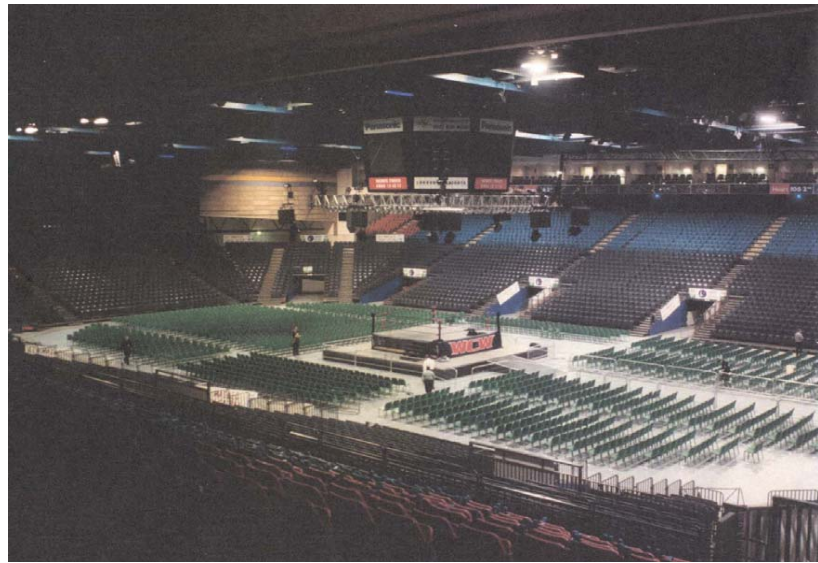


3. Material Handling

- 3.1 Forklift Drivers should be given specific instructions relating to site access and strategic placement of materials to minimize the distance travelled between the storage area and the installation area.
- 3.2 Position full trolleys on top of Terracover ICE® to keep movement of Tiles by hand to a minimum.
- 3.3 Forklifts and cherry pickers may also be used on top of Terracover ICE®.

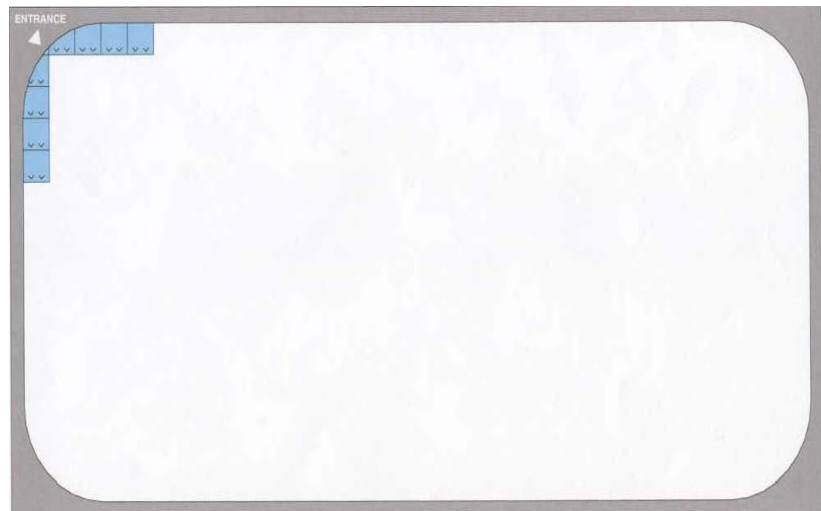


4. Laying Procedures



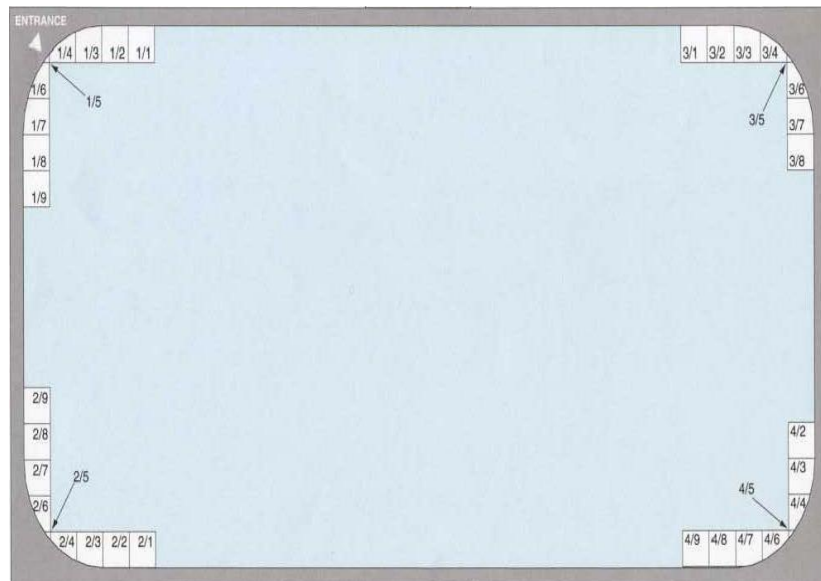
A full System can be installed in around 2 hours

4.1 Diagram '1'

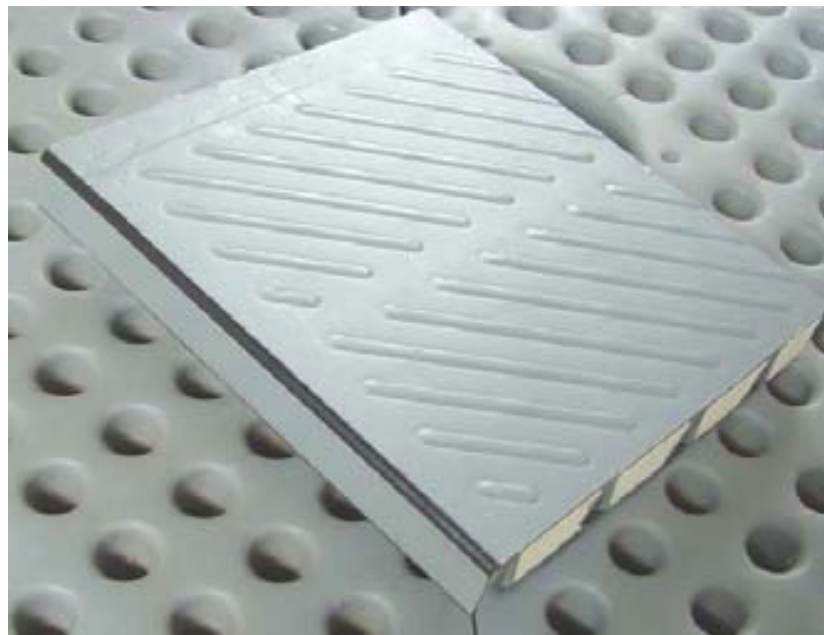


Fit corner with Tile numbers 1-9, ensuring arrows point in the same direction.

4.2 *Diagram '2'*



Layout and numbering for cut tiles.

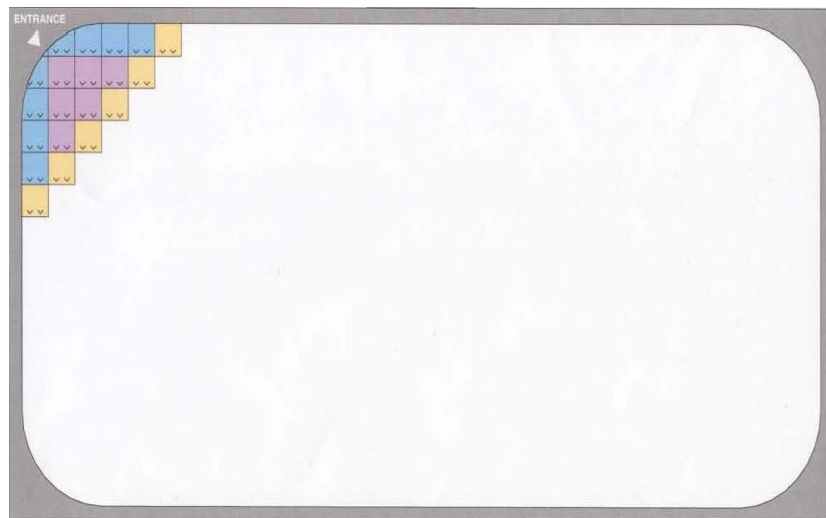


'Pre-cut' Tiles are clearly identified by their welded finishing strips. This maintains the strength and integrity of the Tile



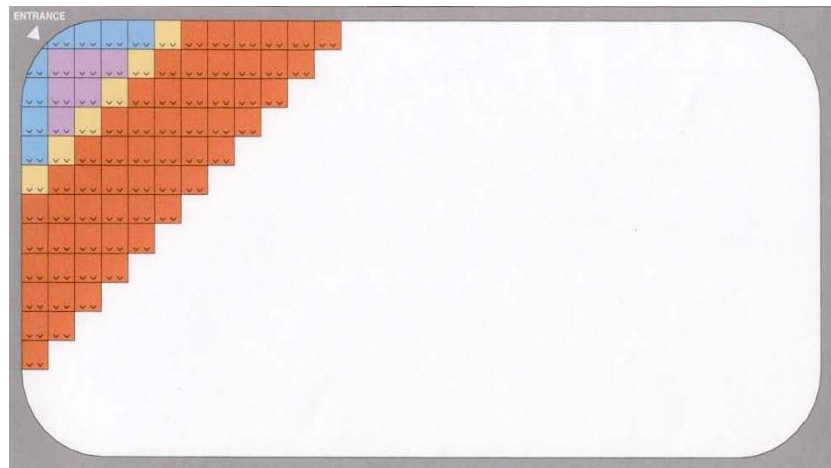
Positioning the pre-cut corner Tiles.

4.3 Diagram '3'



Fit next six Tiles as shown starting from top end, ensuring arrows point in the same direction, keeping the diamond pattern and ensuring all panels are locked together.

4.4 *Diagram '4'*

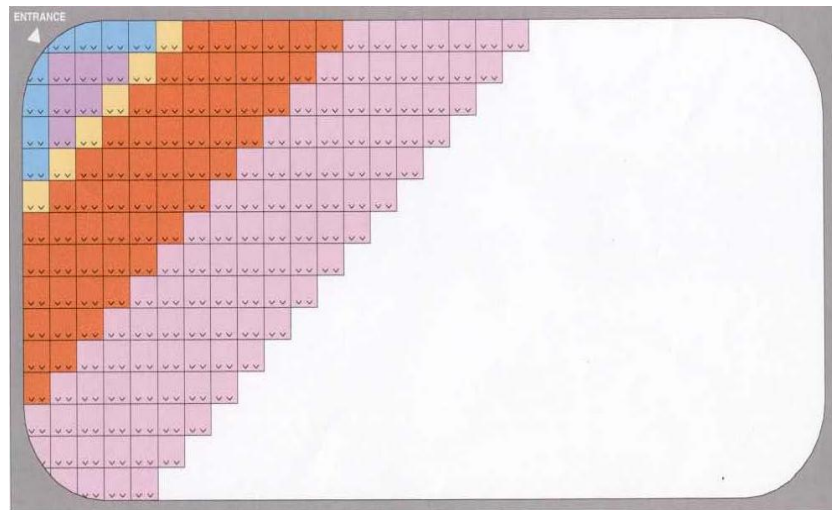


Keep fitting the panels as shown starting from top end, ensuring arrows point in the same direction, keeping the diamond pattern and ensuring all panels are locked.



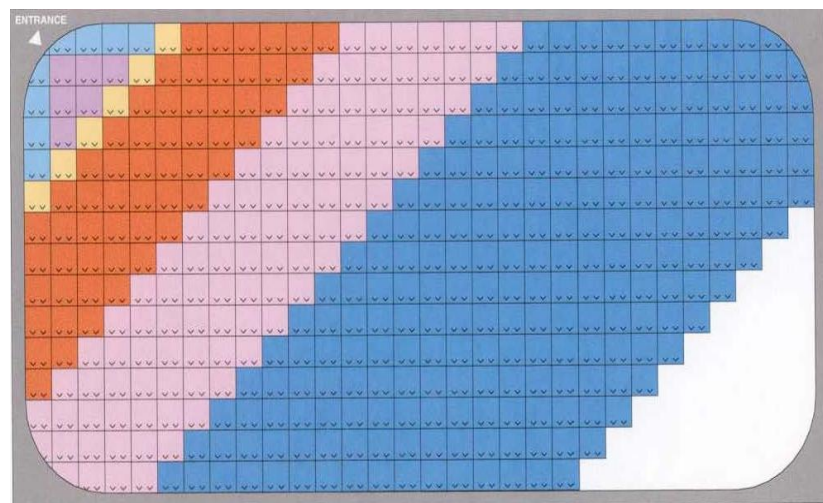
The 'Step Pattern' is clearly visible here along with the 'Locking' Team and a trolley of Terracover ICE® Tiles positioned nearby.

4.5 Diagram '5'



Keep fitting the panels as shown starting from top end, ensuring arrows point in the same direction, keeping the diamond pattern, ensuring all panels are locked and fitting to the 'pre-cut' corner pieces.

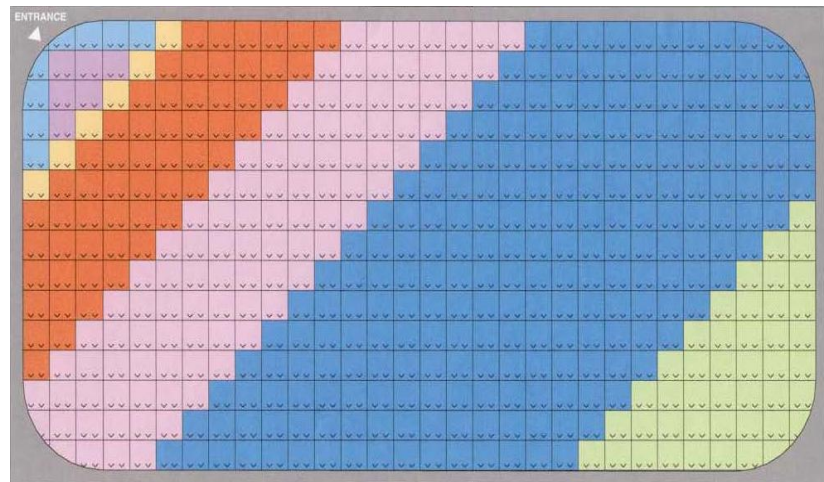
4.6 Diagram '6'



Keep fitting the panels as shown, starting from top end, and ensuring arrows point in the same direction, keeping the diamond pattern, ensuring all panels are locked and fitting the 'pre-cut' corner pieces.

Remember: take the trolleys to the job!

4.7 Diagram '7'



Completion!

5. Locking Procedures



- 5.1 It should be remembered that the camlocks are designed to hold the tiles in position not pull them into position, so accurate placement of the tiles is vital.
- 5.2 The T-Bar used for locking the camlocks must be fully inserted into the slot on the top of the camlock before attempting to turn it. The T-Bar only requires one 180° turn in a clockwise direction to lock and one 180° turn in an anti-clockwise direction to unlock. Do not try and force any further as this will damage the lock

- 5.3 If any camlocks are damaged to the point where they cannot be locked these should be changed immediately, otherwise the system will not be fully locked which may result in misalignment.



Tile underside showing the camlock in the locked position.

6. Lifting Procedures

- 6.1 Before removal it may be beneficial to clean the Tiles so that they are ready for next use.



- 6.2 Prior to lifting any of the Tiles, ALL camlocks must be unlocked. Allocate each person a line to do, both along its length and width.
- 6.3 The removal procedure is a direct reversal of the lay.

Under no circumstances should a full pallet be moved without banding.

7. Maintenance

7.1 Damage

In the event of a camlock becoming damaged, replacement is very quick and easy. The System is supplied with all tools required and consists of a metal drift, a block of wood and a rubber hammer.

7.2 The old camlock is removed by lifting the edge of the tile in the area of the camlock onto the wooden block. Place the drift in the T-Bar slot and knock out using the rubber hammer. The new camlock is placed underneath the tile in its correct position and using the rubber hammer on top of the tile pops the cam into position.

7.3 Damage to Overlapping Edges

If any of the Overlapping Edges are bent due to banding or other stress use pliers to grip and straighten the edge.

8. Storage

8.1 Pallets

All Pallets should measure 4 sqm i.e. 2m x 2m plus 15mm overlap.

8.2 Number of Sheets per Pallet

It is recommended for each Pallet to have 20 Tiles. Pallets may be carried by a forklift two at a time.

8.3 Stacking

Place the first Tile topside up. Place the second Tile underside up. Continue the pattern with the final Tile underside up.

This stacking pattern helps to protect the Overlapping Edges and allows any Tiles that have been subjected to heavy weights to 'flatten out'.

8.4 Banding

During transit to Storage, at least two bands are needed on each Pallet of Tiles.

TERRACOVER ICE[®]

Appendix A: Initial Fitting including Cutting and Corner Tile Finishing

(Provided as part of the contract by the supplying Dealer)



All Ice Rinks vary in size and radius of corners therefore to get an exact tight fit the tiles are marked, cut and then finished.

The finishing is carried out by heat welding a strip of exactly the same material (HDPE) to the cut edge of the tile.

This ensures that the strength and integrity of all cut tiles is equally as good as the uncut tiles.

Each Tile is numbered so that they are instantly recognised and can be placed in their correct position.

It is advisable to make markings on the Dasher Boards to give the same start position for all fits, thereby ensuring a perfect fit on all occasions.

