



# TUSCAN LEVELING SYSTEM™

## 1. Manufacturer

Tuscan Leveling System Inc

## 2. Description

Tuscan Leveling System is an installation system designed to obtain fast and levelled tile and stone installations on floor and wall. The system consists of a strap Strap T 1, a base Base B1 and an installation tool G1 to tension straps and bases.

## 3. Uses

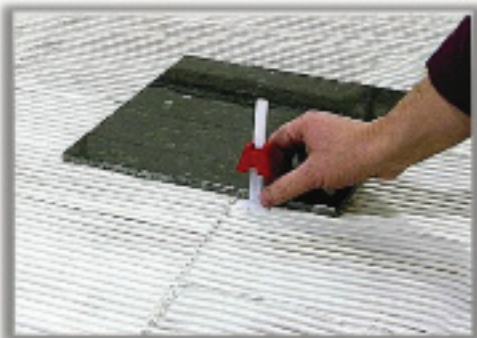
Rapid and levelled installations of ceramic tiles, marble, stones and composites on floor and wall.

## 4. Features

- virtually eliminates lippage among tiles
- greatly reduces the installation time
- reduces time for grinding marble and stones
- holds the tiles in position while adhesive is curing
- fast to use
- easy to learn

## 5. Technical Characteristics

- Proposed product dimensions : 30x30cm and over
- Proposed product thicknesses : from 3,5 to 20mm
- Tile gauge : calibrated tiles and stones



## 6. Installation

### Preliminary operations

- 1) verify the condition of the substrate in terms of levels, consistency etc and take the proper measures to solve unevennesses, rough beds, patching etc.
- 2) check tile conditions, dimensions, calibration, levels.
- 3) soak straps in water at room temperature for a few hours prior to usage, one time only.

### Product installation

- 1) In UK and Ireland we traditionally make our adhesive mix stiff to give body to the bed and assist in overcoming poor substrates –with TLS we recommend you make the adhesive wetter as it is actually intended to be in order the applicator can pull to alignment easy and to ensure good contact between tile and adhesive bed. Spread the adhesive and install the first tile at proper levels. Spread enough adhesive to allow positioning of the strap under the tile and levelling.
- 2) position two Straps T1 at any free side of the tile (it might be necessary to put three straps for sizes over 40x40cm or eavy tiles and stones)



3) proceed with the installation of the second tile positioning the straps on the free sides.

4) once the first row has been completed position the bases Base B1 on the straps and tension them with the installation tool G1. Insert the tail of the strap into the installation tool and pull until the tile reaches the level of the tile already levelled. Continue until you complete the row. Check levels every now and then.

5) continue as above until the installation is completed.

### Removal of straps and bases

6) once the adhesive has cured ( see the adhesive manufacturer technical data sheet) it is possible to break the strap and remove the base. Insert the tail of the strap in the installation tool and pull until the tail breaks and frees up the base. Reuse it on next installations. On rough or hard glaze surfaces you may beat the base with a rubber mallet towards the grout line until it separates from the strap. (note: this action may damage the base and preclude future usage)



Strap T1 and Base B1

40x40cm 25 pcs/sqmt	80x80cm 10 to 12 pcs/sqmt
45x45cm 20 pcs/sqmt	90x90cm 10 to 12 pcs/sqmt
50x50cm 16 pcs/sqmt	120x120cm 7 to 9 pcs/sqmt
60x60cm 12 to 14 pcs/sqmt	

(coverage is intended for 1 cm thickness and is always approximate since it may vary according to shape, dimension and weight of the tile)

### base Base B 1

- you may reuse it dozens of times

### installation tool G1

- duration is proportional to the workload

## 8. Packaging :

Strap T1 : 1000 pcs/box

Base B1 : 250 pcs/box

Tool G1 : 1 pcsbox

## 9. Storage :

Store product at room temperature