

Dekhte reh jaoge



  
**Simpolo**<sup>®</sup>  
ceramics

**PRE-INSTALLATION GUIDELINES.**

## **WHAT YOU WILL DO BEFORE INSTALLATION.?**

- **BEFORE FIXING SIMPOLO TILES, LAY THEM OUT IN DESIRED PATTERN & MAKE SURE THAT THEY GIVE ACCEPTABLE BLEND OF COLOUR.**
- **MOREOVER, PLEASE NOTE THAT CERTAIN AMOUNT OF SHADE VARIATION & SIZE VARIATION INHERENT IN MANUFACTURE OF A FULLY VITRIFIED TILES**

- Check the laying substrate has no cracks, it is homogeneous and mature, totally clean and flat.
- Maximum deviation from flatness of 1mm per 2 meters length measured.
- Inspect the tile before laying
- Moisture of substrate must be  $\leq 4\%$
- Clean the substrate to have a dust free surface.

## What is Buckled or Popped Up or Tented Tiles?

- When your floor tiles lift from their originally installed position and start pushing other tiles against one another, it creates a 'tent-like' bump in your floor.
- This tile defect is known as buckled tiles.
- This defect is also known as pop up tiles or tile tenting. Buckled tiles defect might appear in all types of tiles, i.e. **ceramic tiles**, **vittrified tiles** and porcelain tiles, etc.
- if proper care is not taken while laying the same. The perfectly flat tiled floor may buckle up in the different seasons due to temperature variations, improper installation of tiles and various other factors

# Reasons for Buckled Tiles or Pop Up Tiles Defect

## 01. Improper Cleaning



- It is always advisable to **clean your tiles** properly before its installation.
- As a consequences, the improper cleaning of the floor does not support the uniform bonding layer.
- Eventually, It might result in the form of popped up tiles.

## 02. Floor Expansion



- Tile is a permeable material, hence after some time, it may swell with high moisture absorption.
- Due to expansion, the pressure may cause the tiles to pop up and therefore the tiles may develop tent, i.e. say buckle.

### 03. Uneven Subfloor



- Uneven subfloor is also one of the reasons for buckled tiles or popped up tiles.
- The uneven subfloor will not have uniform bonding with **adhesive** or mortar with tiles and the subfloor.
- This will lead to tile tenting making the tiles appear uneven and unpresentable.

## 04. Improper Set Tiles



- Large or over sized tiles require a certain troweling technique to ensure that they achieve a strong bond with the adhesive.
- All tiles need a gentle whack with a wooden object when being installed to set them in the adhesive.



## 05. Not Using Adhesive



- The tiles which have been installed without adhesives may also cause buckling of tiles.

## **06. No or Incorrect Movement Joints**

- “Incorrect installation of movement joints also leads to the buckled tiles.” The tiles will also buckle in absence of joints between tiles.

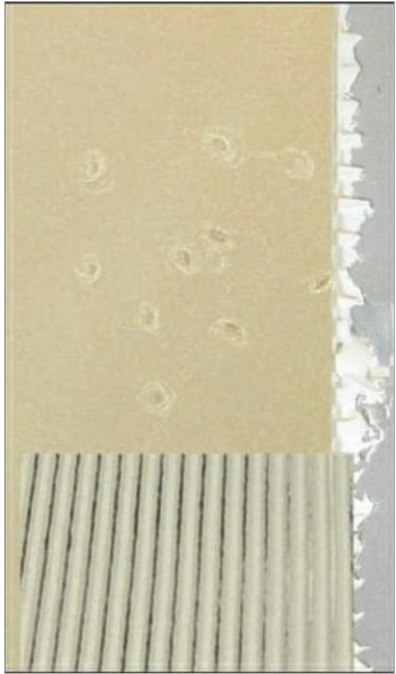
## **7. Using Poor Quality Bonding Agent**

- When the tiles those are fixed with the bonding agent to the floor, the underlying substance may not form a secure bond.
- Due to slight changes in the environmental conditions like a change in temperature or humidity, the bond will lose its grip and the defect of buckled tiles may appear.

## **08. Using Poor Quality Tile Adhesive**

- If the area of the floor is directly exposed to sunlight and if poor quality adhesives are used, then there are chances of tile tenting or popping up of tiles.
- The direct sunlight will lead to expansion of the tiles. Hence, if adhesives are not strong, the tile might pop up and buckle.

## 09. Improper Bonding Material



Straight = Correct



Swirls = Error



Spots = Error

- Use a strong and high quality bonding material. If a dry powder bonding agent is used, you should check whether it is properly mixed or not?

# THANK YOU



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