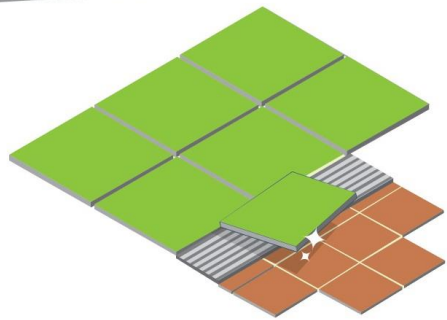


# Retile to reduce dust



Changing the old tiles by simply retiling is one new choice that reduce dust and waste from knocking the old ones out and can save much time. Can be done easily with some help from Jorakay.

## 1. Clean the surface and inspect strength of the original tiles.

- If new tiles are to be placed over the old ones, the latter must be inspected for strength and any sign of peeling. Clean the concrete surface of dust, oil, brewing agent, paint, cement chips and other foreign objects before painting sealing agent.

## 2. Paint the sealing agent, Crocodile Flex Shield, on the original tiles.

- Sealing agent should be applied to stop seeping, especially in the restroom. Inspect and repair all cracks before applying Crocodile Flex Shield, a flexible sealing cement on the original tiles prior to place the new ones.
- For the restroom floor, it is recommended to paint two layers of Crocodile Flex Shield on the entire restroom floor.
- For the restroom wall, it is recommended to paint two layers of Crocodile Flex Shield on any wet surface such as the wall of the shower enclosure.

**Note** • Leave to dry for at least three days for optimal seal.

## 3. Place tiles with Gold Crocodile Tile Adhesive or Silver Crocodile Tile Adhesive

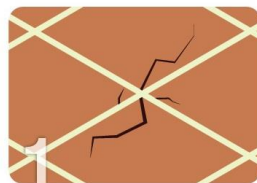
cement glue is the first innovative cement glue for retiling, can be used on both the floor and wall, and various kinds of surface by selecting the correct glue.

## 4. Grouting with Crocodile Turbo Plus or Crocodile Premium Plus

Jorakay grouting inhibits the growth of black mold and moss with Microban technology, reducing difficult stain and white stain. Select the correct grouting for the tile and surface.

### Retiling procedure

Stop tiles from bursting, cracking or peeling



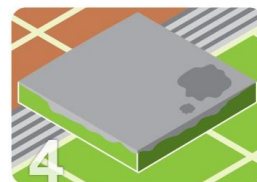
1 Repair cracks



2 Inspect strength of the original tile and clean the surface.



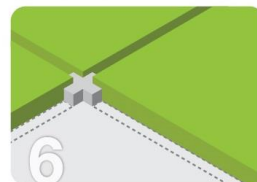
3 Apply Crocodile Flex Shield on the original tiles before retiling



4 Use the notched trowel to spread Jorakay cement glue on the original tiles, then place the new tiles over. Tap the new tiles for better adhesion.



5 Level the tiles with Crocodile Tile Leveling System



6 Space the grout correctly with the spacer (at least 2 mm)



7 Leave for 24 - 48 hours before using the correct Jorakay grouting. Use the trowel to fill the grouting groove (swipe diagonally). Leave for 72 hours before opening the area for use.



8 Clean after tiling with Crocodile Cement Remover

### Recommended products

## CROCODILE Total Home Protection

- "Crocodile Flex Shield" Waterproof cement for every part of the house.
- "Gold Crocodile Tile Adhesive" The top cement glue with American standard. Can be used on any surface.
- "Crocodile Turbo Plus" Granitto, Not fragile Not accumulate germs
- "Crocodile Rubber Face Trowel" Reduce cost, work fast, good for leveling and long-lasting.
- "Crocodile Cement Remover" Remove cement and grout stains after tiling



### Tile Adhesive Products



**X-Treme Crocodile Tile Adhesive**  
Innovative cement glue for big slab tiles



**Express Crocodile Tile Adhesive**  
For quick work, one with standard. Fast setting



**Stone Mate Crocodile Tile Adhesive**  
White for marble or natural stone, reduce white stain with W/CAC Technology



**Grey Stone Mate Crocodile Tile Adhesive**  
For dark-colored tiling or natural stone, reduce white stain with CAC Technology



**Gold Crocodile Tile Adhesive**  
Versatile cement for many types of flooring.



**Silver Crocodile Tile Adhesive**  
High standard for tiling with ceramic, marble, granite or natural stone.



**Red Crocodile Tile Adhesive**  
Beyond the norm in quality, increase adhesion. Good for swimming pool tiling or large granitto.



**Green Crocodile Tile Adhesive**  
American standard, go-to product for Thai contractor, our best-selling product.



**Light-Blue Crocodile Tile Adhesive**  
General tiling with American standard. Very high adhesiveness.



**Yellow Crocodile Tile Adhesive**  
High quality for an affordable price, for ceramic tiling.

### Tile Grout Products



**Crocodile Epoxy Plus**  
The ultimate grouting glue, maximum safety.



**Crocodile Platinum**  
For swimming pool, saunas or wide tiling gaps.



**Crocodile Turbo Plus**  
For granitto, can fill the gap without fracturing or becoming the source of germs.



**Crocodile Silver Premium Plus**  
First anti-mold solution with Microban



**Crocodile Glass Block High Performance Cement Grout (Sanded)**  
For glass blocks, clay tiles or sanitary joints

### Waterproof Products



**Crocodile Flex Shield**  
Waterproof Cement for every part of the house.



**Crocodile Perfect Shield**  
Crystallizing, deep-penetrating cement that is waterproof on both sides, good for wet areas.



**Crocodile Super Shield**  
Crystallizing cement sealant, waterproof on both sides.



**Crocodile Ecoshield**  
Cement sealant for area use before tiling.

### Crocodile Tools Products



**Crocodile Tile Spacers**  
Space all the tiles evenly.



**Crocodile Tile Leveling System**  
Level all the tiles for easier and quicker work.



**Crocodile Stainless Steel Notched Trowel**  
Reduce cost, accelerate work, level the field, very durable for long-term use.



**Crocodile Rubber Face Trowel**  
Comfortable handle



**Crocodile Plastic & Rubber Trowel**  
Can be used for both tiling and grouting



**Crocodile Grout Remover**  
Effectively carve out the old grout, usable for size 1.5 and over



**Crocodile Cement Remover**  
Remove excess cement and grout stains after tiling



**Crocodile Lime Stain Remover**  
Effectively remove white stains on the surface.



**Crocodile Anti Slip**  
Prevent slipping despite being wet.



**Crocodile Epoxy Remover**  
Remove grout and epoxy stain after tiling.

House Problem CHATKAY



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U.S.A. Standard from the Crocodile Family  
Jorakay Corporation Co., Ltd.



## PROTECT FLOOR AND WALL TILING



Innovation for Your Family's Happiness

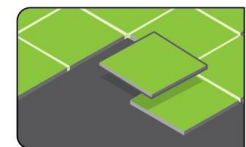
# Tile peeling problems

Jorakay never stops innovating to meet all needs in construction. We are the sole producer with all products needed for tiling works, from construction to repair of tiled floor and wall to keep your house beautiful and long-lasting.

Tiles usually peel at heavily used areas such as the living room, kitchen or walkway.

## 1. Peeling tiles but no water seeping.

**Cause** • No cement glue for tiling • poor-quality cement glue • wrong tiling method • poor-quality grout.



### Solution : Repair the peeling.

• Use a Dremel to grind away the grout around the peeled tile and chisel it out. Clean the surface, and retiling using the Jorakay Notched Trowel, use the Jorakay grouting glue and clean the surface after tiling with the Jorakay Stain Remover.

### Solution : Remove and replace the tile.

• Use a notched trowel to apply Jorakay Cement Glue. Then, use the Jorakay Leveler to level the tiles, use the Spacer to separate the tiles, use the Rubber Trowler to apply Jorakay Grout, and clean the surface after tiling with Jorakay Stain Remover.

## 2. Peeling tiles with water seeping.

**Cause** • No sealing agent is used • poor-quality cement glue • poor-quality tile adhesive • no cement glue is used for tiling • incorrect tiling method (steamed bun-type)

### Solution : Remove and replace the tiles

- The surface strength should be inspected, leveled, and cleaned before using Jorakay Sealing Agent as the foundation (to prevent seeping).
- Use a notched trowel to apply Crocodile Stainless Steel Notched Trowel. Then, use the Crocodile Tile Leveling System to level the tiles, use the Spacer to separate the tiles, use the Rubber Trowler to apply Crocodile Rubber Face Trowel, and clean the surface after tiling with Crocodile Cement Remover.



## 3. Bursting/cracking tiles

**Cause** • rapidly-changing weather • no cement glue is used • poor-quality cement glue • excessively tight tiling • inappropriate tile adhesive • poor-quality/incorrect tile



### Solution : Repair the burst/cracked area

• chisel away the grout around the burst/cracked area, chisel the tile, clean the surface, use Crocodile Tile Leveling System to apply Jorakay Cement Glue and Jorakay Tile Adhesive. Clean the surface after tiling with Crocodile Cement Remover.

### Solution : Remove and replace the tiles

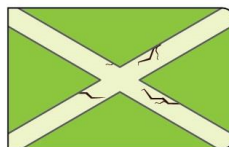
• Use a notched trowel to apply Crocodile Stainless Steel Notched Trowel. Then, use the Crocodile Tile Leveling System to level the tiles, use the Spacer to separate the tiles, use the Rubber Trowler to apply Crocodile Rubber Face Trowel, and clean the surface after tiling with Crocodile Cement Remover.

## 4. Peeled / cracked / moldy grout

**Cause** • Wrong grout type

### Solution : Grind away the old grout and re-grout.

• Use Crocodile Rubber Face Trowel Carving set and use the Rubber Trowel to apply Crocodile Turbo Plus grout if the groove is smaller than 3 millimeters, or Crocodile Epoxy Plus for wider groove and polished tiles. Clean the surface after tiling with Crocodile Cement Remover.



## 5. White stain on tiles

**Cause** • Does not use cement glue with anti-white stain properties. Usually happens to natural stone or granite tiles.



### Solution for white stains on the tile surface.

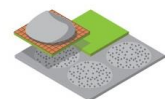
• Use Crocodile Lime Stain Remover.

### Solution for replacing the tiles.

• Use a notched trowel to apply Stone Miste Crocodile Tile Adhesive. Then, use the Spacer to separate the tiles, use the Rubber Trowler to apply Crocodile Turbo Plus, and clean the surface after tiling with Crocodile Cement Remover.

**Preventive measure** • If you do not want white stain on the tile after leveling, before tiling with natural stone, apply Crocodile Flex Shield on the surface.

## “Tile it wrong and it might ruin your lives”

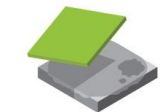


### Steamed bun tiling

Sloppy application of cement glue or sand cement (black cement) on the tile i.e. in clump like steamed bun before placing the tile, will lead to uneven tiling and gaps under the tiles which will accumulate water and moisture over time.

### Problems

- Peeling tiles due to poor adhesion
- Cracking at the corner or edge due to lack of supporting cement.



### Wet tiling

Attempt to make a shortcut at tiling by using sand cement (black cement or cement glue mixed with sand cement as foundation during leveling, and then paint the back of the tile with cement glue before placing, or simply placing the tile on wet cement.

### Problems

- Peeling tiles due to poor adhesion
- Bursting tiles when temperature changes rapidly.

## The Correct Way for Tiling

Stop all problems : bursting, cracking, peeling.



1 Check surface strength.



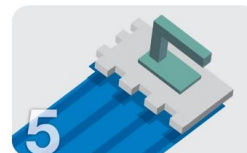
2 Level the surface.



3 Clean the surface.



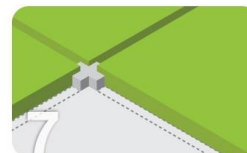
4 Apply sealer with Jorakay waterproof Cement (apply twice and leave for 3 days)



5 Tile with the correct Jorakay Cement Glue and correct size of Jorakay Notched Trowel.



6 Level the tiles with Crocodile Tile Leveling System



7 Space the tiles correctly with spacers (at least 2 millimeters).



8 Leave for 24-48 hours before applying the correct Jorakay Grout. Use the rubber trowel to fill the groove with Crocodile Rubber Face Trowel (swipe diagonally to the groove). Leave for 72 hours before using the area.



9 Clean the surface after tiling with Crocodile Cement Remover.



## Problems with the tiles? Use Jorakay Together, Protect the House.

- 1 Peeling tiles with no seeping water.
- 2 Peeling tiles with seeping water.
- 3 Burst / cracked tiles.
- 4 Peeled / cracked / moldy grout.
- 5 White stains on the tiles.

## Jorakay Leader in production and sale of innovative products

Innovated many product groups that can answer all problems with the house. From the foundation to the rooftop. The house owner can place confidence in strength, durability, and safety.

## STOP tile problems both on the floor and wall.

Ceramic tile is a common material for floor and wall tiling because of its pattern, material and texture, improving appearance of the house while being durable and easy to maintain. However, incorrect tiling method or material will lead to annoying problems for the house owner, such as peeling, bursting, or grout degradation. If left unattended, these problems might lead to water seeping in, and accumulation of hazardous mold and germs.

### Systematically solve the problem

### Protect together, all, in, one, right from the start.

Starts from selecting the correct cement glue for the tile, correct grout for the use, correct tiling equipment, and correct method like a professional.

That will be it! No more problems with the tiling, whether on the wall, or the floor.