

CHECK LIST BEFORE RAIN



- Water leaking through nails holding the tile with the roof.
- Water leaking through the joint between extended roof and wall.
- Water leaking through cracked roof tiles.
- Water leaking through holes in the ridge capping.
- Leaking roof due to excessively shallow roof.
- Water leaking through lined (non - staggered) roof tiles.
- Water leaking through cracked rooftop.
- Water leaking through the wall - floor joint on the rooftop.
- Inadequate draining on the rooftop or balcony.

🔍 See solution for each problem inside.



CHECK LIST AFTER RAIN

- Cracks in nail mark adhering the tiles with the roof structure
- Cracks on the joint between the extended roof and wall.
- Cracked roof tiles
- Leaking or cracked ridge capping.
- Cracks in the eave.
- lined roof tile joints.
- Cracks from equipment installation on the roof.
- Shingled roof tiles
- Open roof eave due to poor purlin distance.
- Cracked rooftop.
- Cracked wall - floor rooftop joint

CROCODILE Total Home Protection

Recommended products

For the ROOF



- Crocodile Poly U Seal
- Crocodile Tape Seal
- Crocodile Roof Shield

For the ROOFTOP



- Crocodile Poly U Seal
- Crocodile Tape Seal
- Crocodile Fiber Mesh
- Crocodile Roof Shield / Crocodile Flex Shield

Waterproof Products



Crocodile Flex Shield
Waterproof cement for every part of the house.
 • Easy to use, only water is needed.
 • Can be left naked. Resistant against the elements and UV ray.
 • For the rooftop, balcony and rooftop garden.



Crocodile Roof Shield
High-quality acrylic waterproof
 • Flexible up to 500%
 • Excellent for covering cracks.
 • Higher resistance against water than normal acrylic.



Crocodile Elastic Shield
Leak-proof flexible Polyurethane
 • Over 1000% flexibility, suitable for covering cracks.
 • Resistance against sunlight, rain, UV ray.
 • Good for the rooftop, balcony and wall.

Accessories Products



Crocodile Fiber Mesh
 • High-quality fiberglass mesh for seal reinforcement.
 • Prevent tearing by movement of the joint, or friction from traffic on the seal surface.
 • Easy to lay without sliding or wrinkling, good for the floor and ceiling.



Crocodile Glue Gun
 • For silicone, acrylic, sealant, nail glue canisters.
 • Durable, long service life.
 • Comfortable and durable handle.

Plugging and Adhesive Products



Crocodile Poly U Seal
Polyurethane for sealing
 • Highly flexible
 • Resistant to weather, sunlight and rain
 • Can be painted over.



Crocodile Tape Seal
Waterproof Butyl Foil Tape
 • Excellent adhesion and durability against tearing
 • Resistance against UV light and heat, does not degrade
 • Can be painted over.

Structural repair Products



Crocodile Repair Mortar
Multipurpose repair cement
 • Repair cracked concrete surface.
 • Good adhesion, can be used for horizontal and overhead repair.
 • Over 600 kg of compressive strength.



Crocodile Feather Patch
For patching deep cracks, chips, fractures.
 • Conical cracks, chips and small fractures
 • Sticky, good for overhead repair such as ceiling, column and beam.
 • Over 400 kg of compressive strength.



Crocodile Acrylic Patch
Repair large cracks in the structure and wall
 • Conical cracks, chips and fractures
 • Good for overhead repair such as ceiling, column and beam.
 • Able to add stone flake to increase thickness over 50 mm.

House Problem CHATKAY



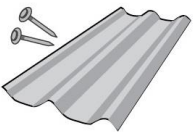
Protect Repairs on the ROOF, ROOFTOP and SEALANT



Innovation for Your Family's Happiness

Leaking Roof problems

Leaking roof has many causes, such as cracked tiles or wrong installation method for rooftop equipment, which lead to holes in the roof, or shingling tiles due to poor tile alignment. One common problem is open roof tile capping because of poor purlin distancing, resulting in imperfect overlapping and water seeping under the roof. These are major causes of leaking found in roof tiles.



1. Leaking from roofing nail holes



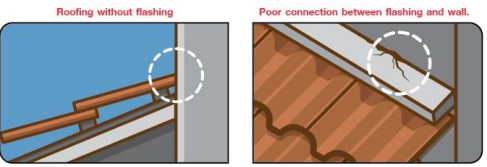
The cause is degradation or rusting roof attachment, or leaks along the roof nail lines due to expired nail O-rings, resulting in leak through the nail holes. Water stains will be visible after the rain stops. These problems can be solved by replacing the attachments, but if the leak can still be repaired, and you want to save the headache, please approach Jorakay as a solution to problems.



Recommended to plug the nail head with **Crocodile Poly U Seal** and paint over with **Crocodile Roof Shield**

2. Leaking through the joint between extended roof and wall.

Leaking in this manner occurs from cracks in the molded flashing, poor flashing size, unfinished flashing, incorrect flashing installation, cracked tiles under the flashing, or roof installation without joint welding.



STOP! Leaking Roof

Joint/Crack size
Not over 5 mm
The crack should be opened to at least 5 mm to be filled with **Crocodile Poly U Seal**

5 - 10 mm
Use **Crocodile Poly U Seal** and paint over with **Crocodile Roof Shield**

1-10 mm or uneven cracks
Use **Crocodile Tape Seal** and paint over with **Crocodile Roof Shield**

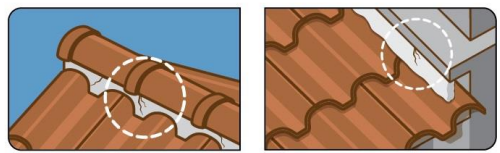
3. Leaking from cracked or broken tiles

Caused by impact, falling objects, or sometimes drilling with inappropriate tools, or incorrect tiling method such as unstaggered, or incorrect overlapping distance which will lead to cracked tiles.



4. Leaking through ridge capping

Caused by installation problems such as wrong installation of ridge caps, especially wet capping due to wrong cement molding. This results in incomplete capping, the cap not sticking well to the roof tile, or cracked cap due to work. Cement overfilling or underfilling in the tile gaps, or incorrect capping or flashing after tiling to the wall or use of sand cement to fill the gap between the flashing and tiles, which is the incorrect method. Do not worry, Jorakay can help you.



STOP! Leaking Roof

Joint/Crack size
Not over 1 mm
Use **Crocodile Roof Shield**

Between 2 - 5 mm
The crack should be opened to at least 5 mm

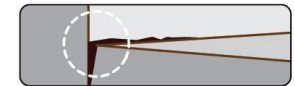
5 - 10 mm
Use **Crocodile Poly U Seal** and paint over with **Crocodile Roof Shield**

1- 10 mm or uneven cracks
Use **Crocodile Tape Seal** and paint over with **Crocodile Roof Shield**

Leaking Rooftop problems

Mainly caused by cracked rooftop floor, cracked joint between the wall and rooftop floor, no sealing on the rooftop, leading to leaks during rain.

Leaking from cracked rooftops



Wall joint

Construction of the connected rooftop and wall usually is done in a different time or place. Thus, the concrete does not blend as one, causing cracks along the joint between the wall and rooftop.

Rooftop floor

Using poor - quality construction material, concrete pouring/brewing, changing weather or temperature can lead to cracks. Most cracks are formed in straight lines or wrinkles on the rooftop. In some cases, the cracks might expand to the joint between the wall and rooftop. Cracks of this nature are very deep and might go through the entire slab.

STOP! Leaking Roof

Non - moving cracks / joints

Use repairing cement **Crocodile Repair Mortar / Crocodile Feather Patch / Crocodile Acrylic Patch** to repair the cracks. Recommended to use **Crocodile Fiber Mesh** for the joint between rooftop and wall before painting with **Crocodile Flex Shield**.

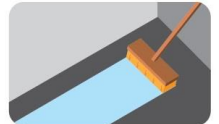


Moving cracks / joints

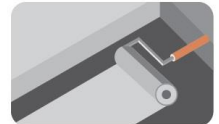
Crocodile Poly U Seal should be used to fill the crack first. Recommended to use **Crocodile Fiber Mesh** for the joint between rooftop and wall before painting with polymer sealant like **Crocodile Roof Shield**, acrylic sealant or Polyurethane sealant like **Crocodile Elastic Shield**.



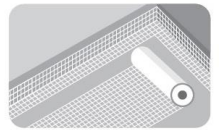
Rooftop sealing



1.Clean the surface



2.Paint the sealant twice on the entire surface. Paint 10 cm up the wall from the base.



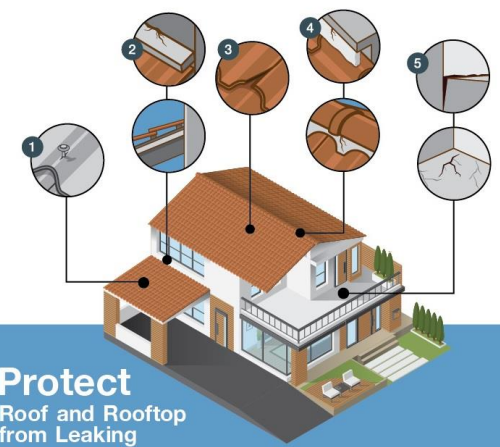
3.If the fiber mesh is needed, place it after the first layer is painted and still wet.



4.After the first layer is dry (after 4 hours) paint the second layer of sealant. Paint 10 cm up the wall from the base.

Careful : Areas NOT suitable for acrylic sealant.

- Rooftop with ponding water.
- Constantly wet area.



Protect Roof and Rooftop from Leaking

- 1 Leaking from roofing nail holes
- 2 Leaking through the joint between extended roof and wall.
- 3 Leaking from cracked or broken tiles
- 4 Leaking through ridge capping
- 5 Leaking through cracked rooftops

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 cracking, leaking, seeping during wet season

Roof and rooftop will take the water first, and at risk of leaking. Bigger problem than thought. Inspect and solve the problem correctly with Jorakay sealing products that can answer all problems and protect the house.

Systematically solve the problem Protect together, all, in, one, right from the start.

For new houses, recommend effective sealing from the construction to prevent nagging problems during occupancy, extend life of construction material in ponding-prone, wet areas in rainy season. Save time and cost for later repairs.