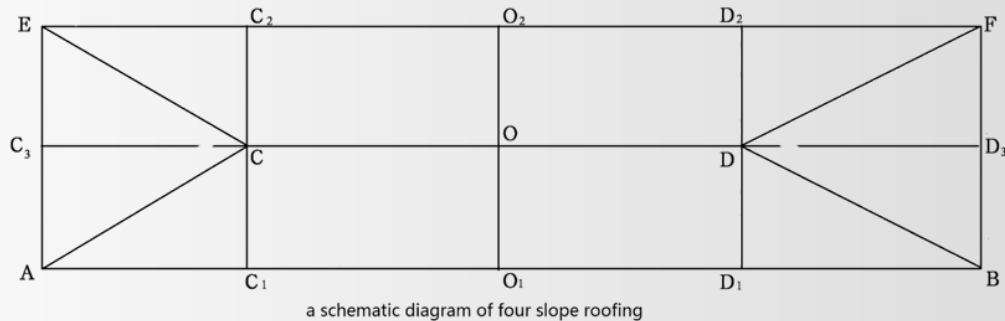
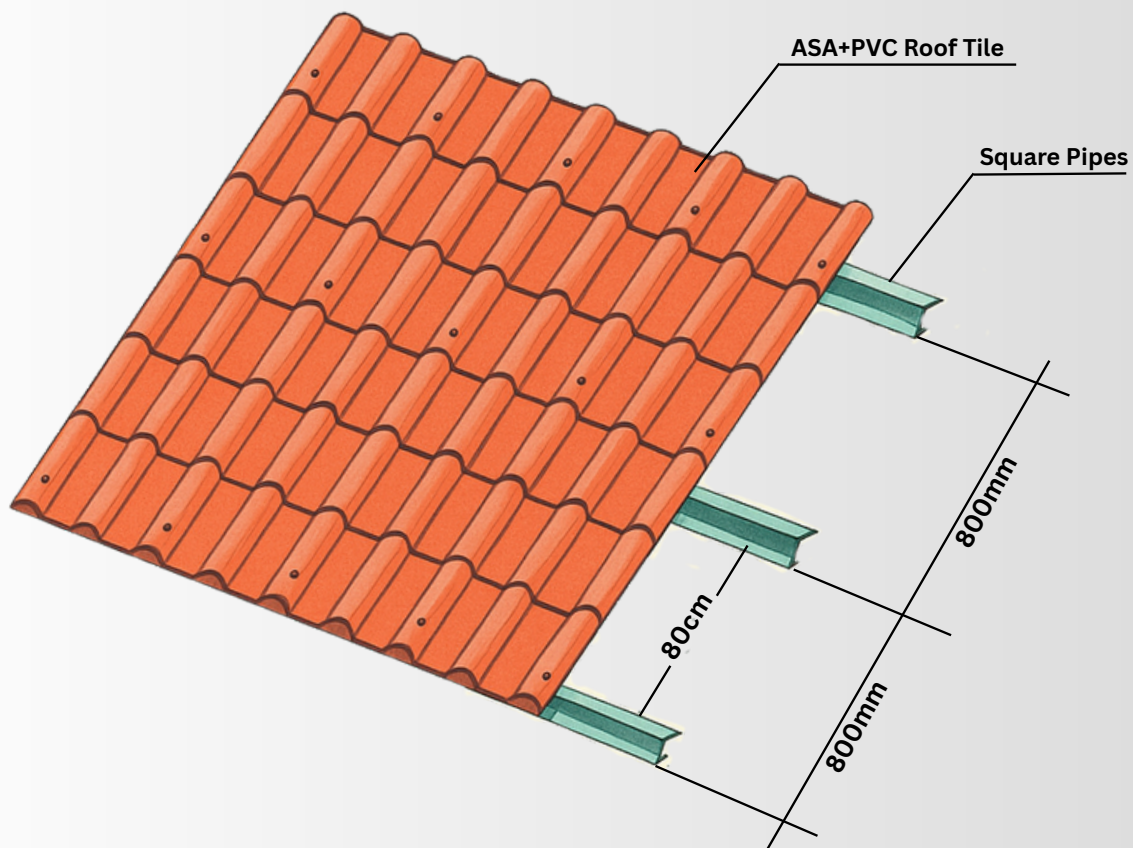


ASA/PVC ROOF INSTALLATION GUIDE



Plan and Mark Your Guide Lines

1. Find the Center: Locate the center point of your roof (both from left to right and from top to bottom).
2. Draw Chalk Lines:
 - From the center, draw vertical chalk lines (from up to down) towards the edges of the roof. These are your main guides for keeping the tile rows straight.
 - Also draw horizontal chalk lines (side to side) across the roof. These will help you keep each row level as you move up.
3. For Complex Roofs (like a four-slope roof):
 - The diagram shows lines labeled A, B, C, D. These are diagonal guidelines for the sloped hips (the angled edges where two roof sections meet).
 - You must mark these diagonal lines from the corners to the roof's peak. This tells you exactly where to cut and align the tiles for a perfect fit.



ASA/PVC Roof Main Tile Installation

(Start after your chalk lines are marked)

1. Start from the Bottom Edge

- Begin installing tiles at the bottom edge of the roof (the eave).
- The first tile is the most important. Make sure it is perfectly straight and square with your chalk lines. This first tile sets the direction for the entire roof.

2. Overlap and Fasten the Tiles

- Overlap: Each new tile must overlap the previous tile by one full wave (the raised rib).
- Work in Rows: Install tiles row by row, moving up the roof. Check frequently that the tiles are following your vertical chalk lines.
- Fasten: Attach each tile using 5mm x 75mm self-tapping screws.
- Use a Waterproof Pad: Place a waterproof rubber pad under the head of each screw before driving it into the Z-purlins (the metal roof beams).

3. Tips

- After screwing, always cover the screw heads with waterproof caps for a complete seal against leaks.

Nailing/Screwing Guide for PVC Roof Tiles

Where to Place the Nail/Screw:

CORRECT	INCORRECT
	
Always nail/screw at the HIGHEST point of the tile wave (the crest or ridge). This is the strongest part and is designed for fastening.	Never nail/screw on the FLAT surface or in the valley (the low part between waves). This can cause pooling water to leak through the hole and can crack the tile

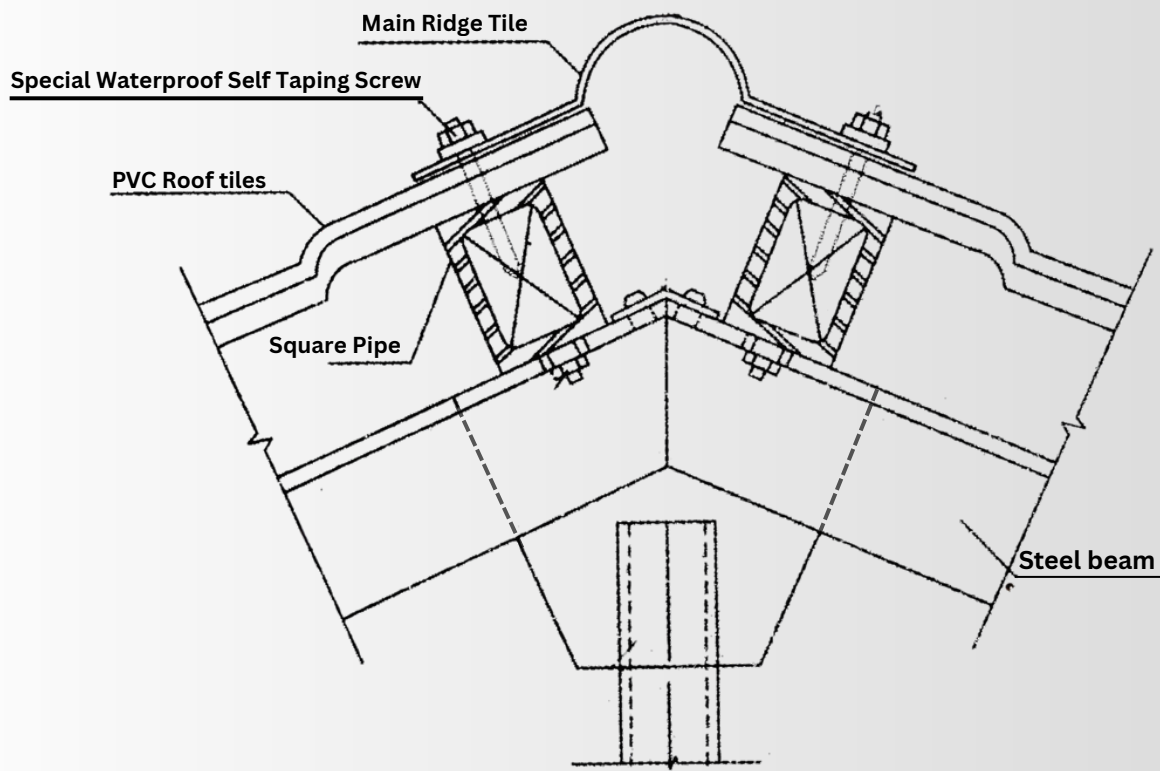
How to Nail/Screw Correctly:

1. Use the Right Screw: Always use a self-tapping screw with a waterproof rubber washer (pad) under the head.
2. Drill Straight: Hold the drill perpendicular (straight up and down) to the tile surface.
3. Tighten Properly: Tighten the screw until the rubber washer is snug and slightly compressed. Stop immediately when it feels tight. Do not overtighten, as this can damage the washer and the tile.

Final Waterproofing Step:

- After the screw is in place, always snap a waterproof cap over the screw head. This gives you a double layer of protection against leaks.:





installation diagram of the main ridge tiles

Top Ridge Tile Installation

1. Get the Base Ready

- Make sure the roof frame (the steel beams and pipes) is strong and in place.

2. Put on the Main Roof Tiles

- Lay the PVC tiles across the whole roof. Lock them together like a puzzle.

3. Add the Lightning Wire (if you have one)

- Lay the special lightning wire along the very top of the roof (the peak) before you do the next step.

4. Place the Main Ridge Piece

- Take the big curved piece (the main ridge tile) and put it right on the peak of the roof. It should cover the top edges of the tiles from both sides.

5. Screw it Down

- Use the special waterproof screws to attach the main ridge piece to the roof frame. These screws stop water from leaking in.

6. Seal it Tight

- Put sealant (like strong glue) over the screw heads and where the ridge piece meets the tiles. This makes sure no water can get in.

7. Add the Top Cap

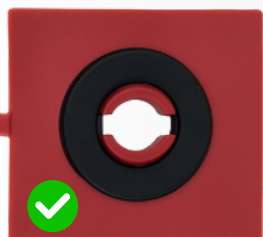
- Finally, put the last curved cap piece on top of the main ridge. This makes it look finished and gives extra protection.



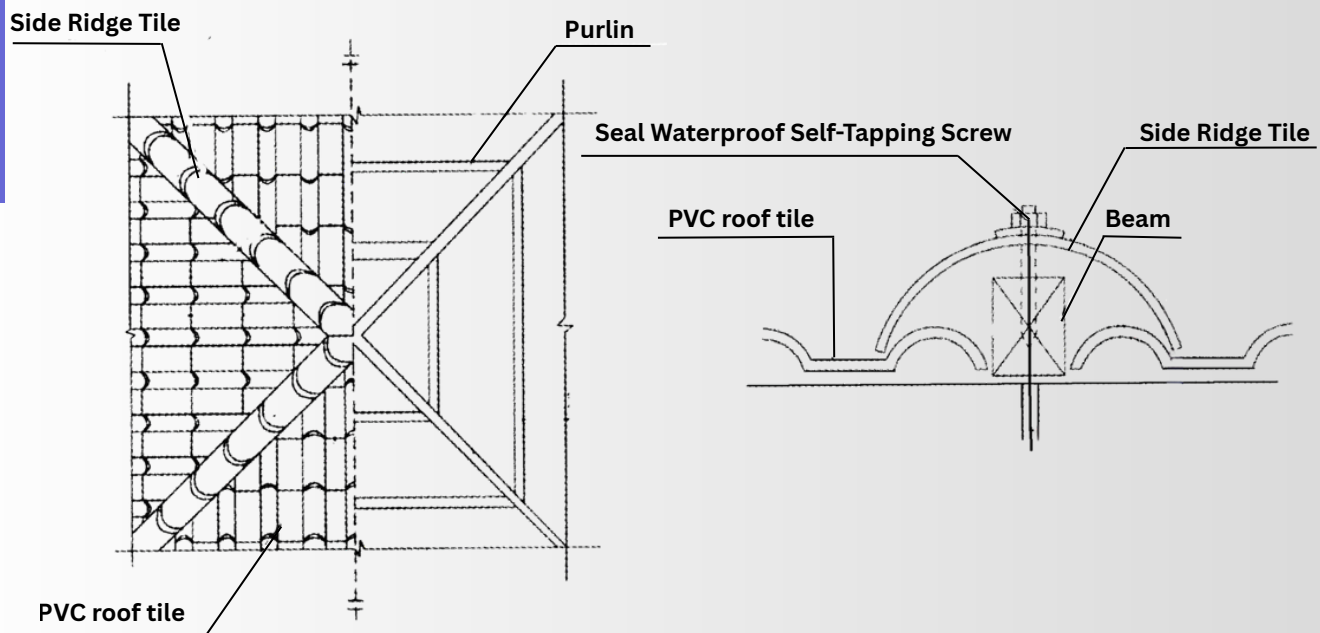
Caution: Top Cap Seal

- Before placing the top cap, check that it has a rubber sealing gasket.
- If the cap does not have this rubber seal, DO NOT install it without applying sealant.

A cap without a proper seal will allow water to leak directly into the roof structure and premature damage.



- When the cap has a rubber gasket, ensure it is clean and properly sealed before installation.
- Press the cap firmly into place until the rubber seal is evenly compressed. Do not overtighten any fasteners, as this can damage the rubber and compromise the waterproof seal.



Side Ridge Tile Installation (Hip Ridge)

1. Placement & Overlap

- Side ridge tiles (also called hip ridge tiles) are installed along the sloping edges of the roof—the hypotenuse of the triangular roof section.
- Align the upper and lower roof tiles so their edges meet evenly.
- Each inclined roof tile should overlap the next by about 20mm to ensure a tight, waterproof seal.

2. Fastening

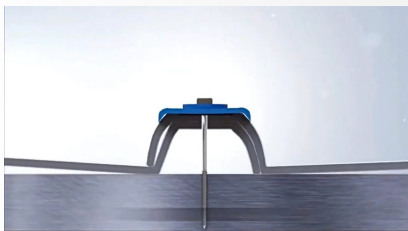
- Secure each ridge tile with 5 mm-diameter × 75 mm self-tapping screws.
- Use the recommended waterproof washer or pad beneath the screw head to prevent leaks.

3. Final Piece

- Install the end ridge tile last to lock the line of ridge tiles neatly and protect the joint.

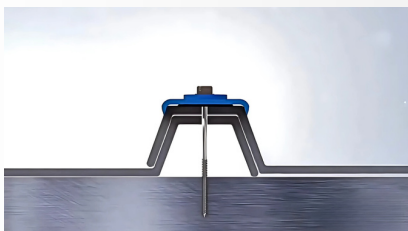
4. Important Safety & Quality Notes

- Once the screw cap is snapped or locked in place, do not attempt to remove it—forcing it open can crack the cap and compromise the seal.



Caution:

- Overtightening fasteners can damage PVC tiles.
- Excessive force can cause the material to crack, split, or deform, compromising the roof's waterproof seal.



Caution:

- Loose fasteners will not secure the tile properly. This can cause leaks from water seepage and damage from wind uplift.
- Ensure screws are tightened to a firm, snug fit.



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