



Tile Insert - The Spillway Installation Guide: Step-by-Step

1. Position the Channel (Against Wall Installation)

Place the collection channel so it accommodates the combined thickness of the tile substrate plus the tile (see cross-section).

 **Important:** Always leave enough clearance for the waterproofing membrane and tile adhesive layer to prevent misalignment during tiling.

2. Remove Vertical Upstand (Non-Wall Installations)

Snap off and remove the vertical upstand from the collection channel and end stops if not installing against a wall.

✓ **Tip:** Use a fine-tooth file or multi-tool to remove sharp edges for a smooth finish.

✓ **Tip:** Only remove the upstand where the grate will not sit directly against a wall — leaving it in place in wall installations helps enhance waterproofing.

3. Cut to Length

Trim the collection channel as needed(using a drop saw), allowing for the thickness of end stops and joiners.

 **Tip:** Deburr all cut edges to prevent leaks and to ensure the end caps sit flush when glued together.

 **Important:** Measure twice and mark before drilling or cutting to ensure the outlet remains aligned with the plumbing layout.

4. Install Spigot

- Install one spigot per showerhead along the collection channel.
- Dry-fit the outlet spigot onto the collection channel.
- Ensure the spigot aligns with the puddle flange or 50mm DWV pipe.
- Mark and drill a 40mm hole for the spigot.
- Remove burrs from holes and cuts for a clean fit.
- Glue the spigot onto the collection channel using Weld-on ABS adhesive.

 **Important:** Allow 30 mins for adhesive to cure before water testing to maintain a watertight seal fully.

5. Assemble and Test

Glue end caps to the collection channel using Weld-on ABS adhesive. Test the assembly for leaks before installation.

✓ **Quality Check:** Test the assembly by blocking off the outlet spigot with tape, fill the collection channel with water to confirm there are no leaks before final installation.

6. Ensure Compliance

Make sure the installation complies with AS 3500.2 plumbing standards.

⚠ **Note:** A licensed plumber must install all plumbing connections in accordance with local regulations.

7. Level the Channel

Confirm the top of the collection channel flange is level with the tile substrate.

🔴 **Important:** Incorrect levelling can lead to water pooling or uneven tile insert finish.

8. Waterproof and Provide Fall

Apply waterproofing **over the collection channel flange** and ensure that the **tile substrate has adequate fall** toward the drain to allow proper water flow.

✓ All waterproofing must comply with **AS 3740** – the Australian Standard for **waterproofing wet areas within residential buildings**.

🔧 **Tip:** Always follow the manufacturer's instructions for your chosen waterproofing membrane to ensure full adhesion and long-term performance.

9. Waterproofing Primer

🔴 **Important:** Use a **non-porous ABS or PVC primer** on the waterproofing flange that is **compatible with your chosen waterproofing system**. This ensures a proper bond and a watertight seal.

10. Positioning the Tile Edge

Ensure the finished tile edge is **flush with the inside edge of the collection channel**.

🚫 Do **not** allow the tile to **overhang** the channel.

11. Cut Tile Insert Tray to Size (if required)

Trim the tile insert tray using a **dropsaw** to the required length for your installation.

Important:

- Do **not leave burrs or sharp edges** on the cut ends of the ABS tile insert tray.
- Use a **fine file** to remove all burrs and smooth the edges before final placement.
- Glue the tile insert tray end caps in place using Weld-on ABS glue.
- Glue tiles into the tile insert tray, aligning the tile grout lines.
- Allow a 2mm space between tiles and insert tray.
- Caulk between tiles and insert the tray for a water-tight finish.

12. Select Spacers (D)

After tiling is complete, select the appropriate **grate height spacers** to match your tile height:

10mm, 12mm, 14mm, 16mm, or 18mm.

This ensures a **flush finish** with the surface of your tile.

 **Tip:** Measure the finished tile height, including adhesive, to ensure an exact spacer match.

13. Install Spacers

Evenly distribute the spacers along the collection channel to fully support the tile insert tray. Secure each spacer using **Weld-On ABS adhesive** for a long-lasting hold.

✓ **Check:** Place spacers close to the end caps and along the length of the channel to prevent flexing under weight.

Need more guidance?

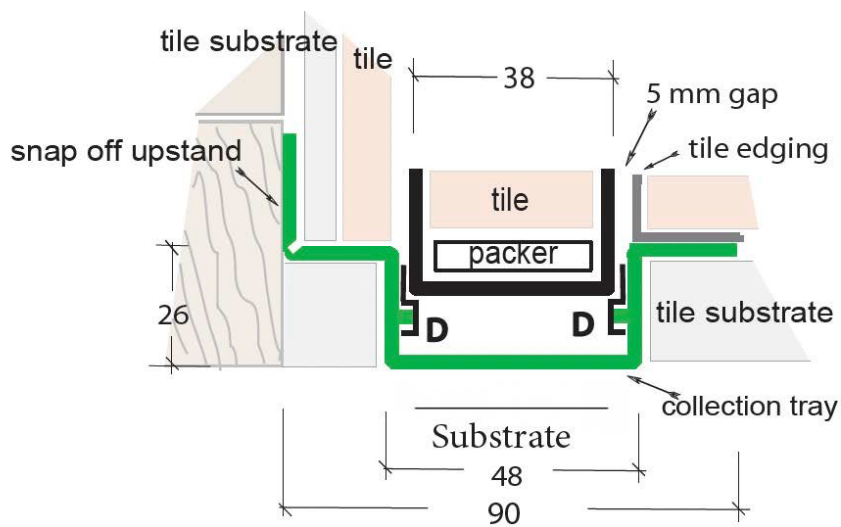
Watch our step-by-step installation videos or download the complete guide to ensure a smooth, compliant installation.



Vertical Upstand remove for non-wall installations



Vertical up stand in place for against wall installation



Cut away diagram