



Installation Guide

rainwater goods

BRITMET
LIGHTWEIGHT ROOFING

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lightweight composite slate | lightweight granulated tile panels | lightweight tile effect sheets | flat-to-pitch roof conversions | structural liner trays | door canopies | decorative exterior paint

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Equipment list



Measuring Tape



Spirit Level



Jigsaw
(or Reciprocating
Saw or Nibbler)*



Combi Drill



Impact Driver



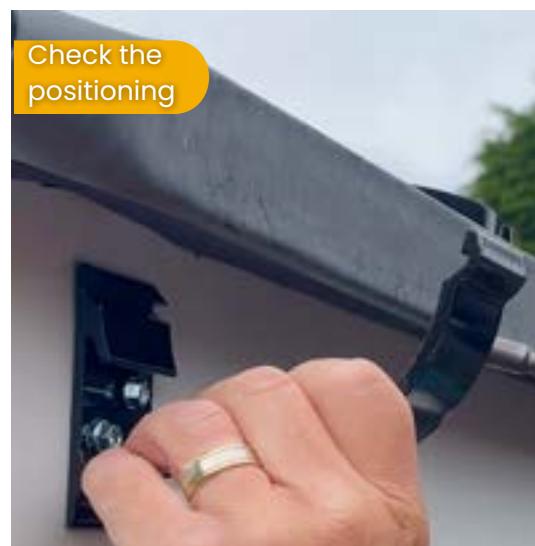
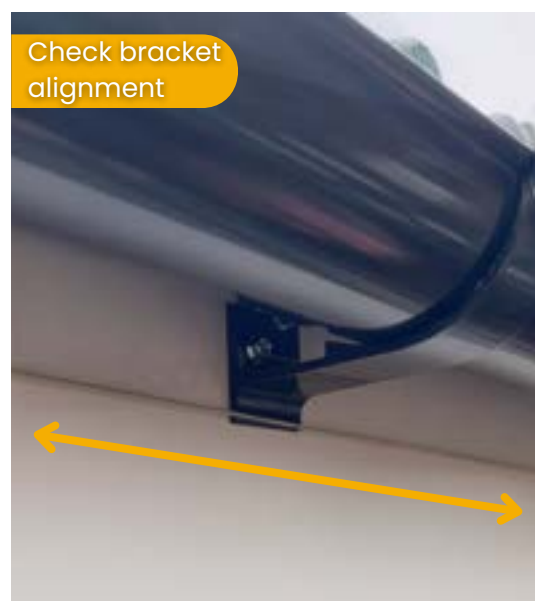
Gloves



String Line

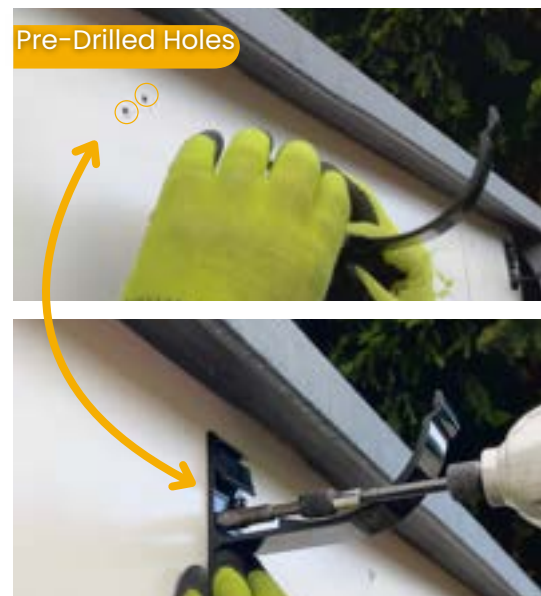
Installing the first bracket

- 1** Install the brackets before fitting the gutter. Position the first bracket so the gutter will sit slightly below the eave drip, allowing water to run cleanly from the roof edge into the gutter.
- 2** The gutter system offered by Britmet does not require a fall to the outlet.
- 3** Install a bracket at the opposite end of the gutter run, making sure it is positioned at the same height as the first bracket. This will help keep the gutter level across the installation area.
- 4** Use a string line between the first and second bracket to create a straight fixing line. Check the positioning with a spirit level before securing the remaining brackets.



Bracket spacing & fixing preparation

- 1 Brackets are required on either side of any outlet, and also where there are any joins so each end of the gutter sits equally on the bracket.
- 2 The brackets need to be installed evenly across the length of the guttering, preferably no wider than 600mm to 750mm apart.
- 3 Regularly check that the brackets are level throughout the installation.
- 4 Offer the bracket into position, mark the two fixing points, pre-drill if required, then reposition and secure using two fixings.



Installing outlet & stop ends

- 1** Prepare the position for the stop end cap, then apply a continuous bead of silicone to the end of the gutter or outlet before fitting.
- 2** Push the stop end firmly into place, ensuring it sits squarely against the end of the gutter or outlet. Hold it in position for a few moments to allow the silicone to grip and create an initial seal.
- 3** Once the stop end cap is in place, apply an additional line of silicone along the inside join. Smooth the silicone into the joint to create a watertight seal, making sure there are no gaps before allowing it to cure.
- 4** Place the outlet into the brackets and line it up with the gutter position. Push the outlet firmly until it clicks into place, checking that it is fully seated and secure.
- 5** Continue installing the guttering along the required area, pressing the gutter into each bracket until it clicks into position. Check each bracket as you go to make sure the gutter is fully clipped in and sitting straight.

Silicone the stop end



Push stop end into place



Smoothed Silicone



Not clicked



Clicked



Stop ends & internal joiners

- 1 Internal joiners are used where two gutter lengths are butted together. Apply a continuous line of silicone along the gutter joint, then position the internal joiner over the joint and press firmly until it clicks into place. Check that both gutter ends sit evenly within the joiner before sealing either side.
- 2 Apply silicone to both sides of the internal joiner, making sure the silicone covers the joint evenly. Smooth the silicone into place to remove any gaps and create a watertight finish.

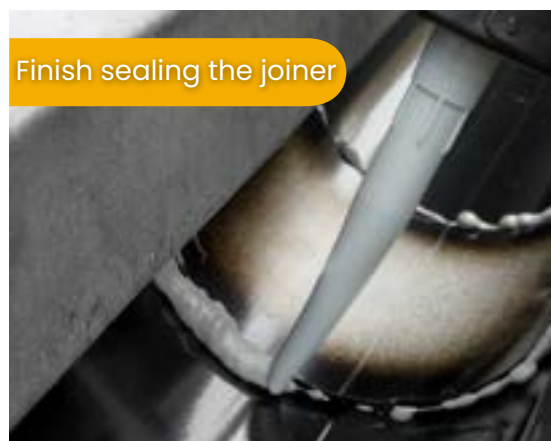
Apply silicone along the joint



Slide the internal joiner over the joint



Finish sealing the joiner



Installing the downpipe

1 Slide the downpipe over the outlet, ensuring it fits securely over the outlet connection and sits straight against the wall before fixing into place.

2 Pre-drill through both the downpipe and the outlet, then secure them together using a colour-matching low-profile fastener.

3 If using pipe brackets, position the brackets evenly down the wall and secure them to the wall.

4 Check that the downpipe is straight and firmly fixed in position.



Finishing checks & water testing

- 1** Once all rainwater goods are in place, check that all gutters, outlets, stop ends, joiners and downpipes are secure.
- 2** Check that all silicone joints have been sealed correctly, then allow the silicone to harden before testing.
- 3** Once the silicone has cured, test the gutter system with water and check all joints, stop ends, outlets and downpipes for any leaks.
- 4** If required, apply additional silicone to any areas where water is escaping, then complete a final visual check to ensure the installation is neat, secure and watertight.

Allow silicone to set



Check all joints are secure

