RENEW®

INSTALLATION GUIDE

Fast Tub 13° : Flat Roof & Ground Mounting System

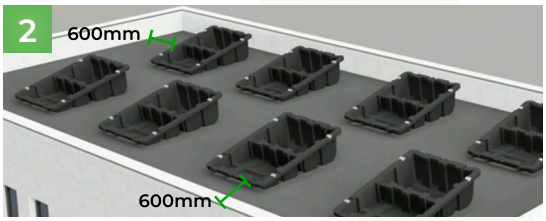
Step 1: Gather Tools:

Tools: Tape measure, impact or drill driver, torque wrench, 8 mm hex bit (included), and gloves.

Step 2: Layout

Position the tubs on the roof, ensuring a 600 mm overhang from each end.

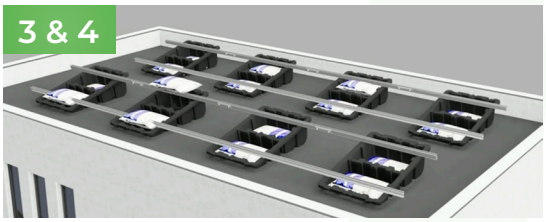
For guidance on how to calculate the number of tubs required, see Page 2.



Step 3: Ballast

Load the correct ballast weight into each tub to match windload calculations

Distribute weight evenly to keep tubs stable.

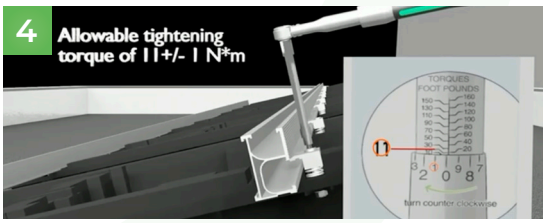


Step 4: Rails

Align each rail's centerline with the tub upstand.

Use a torque wrench to secure the rails at the correct setting; avoid overtightening.

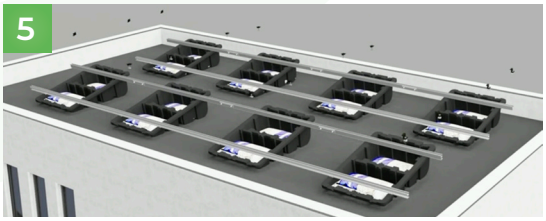
Torque: 11 ± 1N * m



Step 5: Connectors & Panels

Place Mid/End Connectors into the approximate layout.

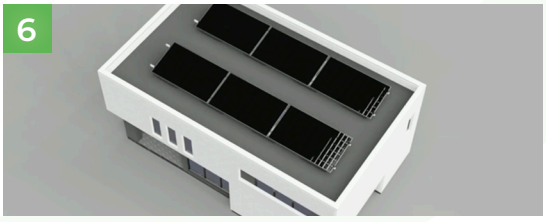
insert and set the panel position on the rails then connect panels together with provided mid/end connectors and tighten with impact driver.



Step 6: Checks & Completion

Check all connections, alignment, and ballast placement.

Complete any additional installation steps as outlined in your kit instructions.



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How to Calculate Tub Spacing – Step by Step:

Step 1: Measure the total rail length (L)

Example: L = 3600 mm

Step 2. Subtract 300 mm from each end to account for overhang (total of 600 mm).

3600 mm − 600 mm = 3000 mm usable space

Step 3. Multiply the tub width (W) by the number of tubs (T).

Example: W = 400 mm, T = 4 tubs → 400 mm × 4 = 1600 mm

Step 4. Subtract the total tub width from the usable space:

3000 mm − 1600 mm = 1400 mm remaining space

Step 5. Divide the remaining space by the number of gaps between tubs.

Number of gaps = Number of tubs − 1 → 4 − 1 = 3 gaps

Example Answer = 1400 mm ÷ 3 = 466.67 mm

$$\frac{\text{Total Rail Length} - 2 \times 300\text{ mm (end margins)} - (\text{Tub Width} \times \text{Number of Tubs})}{\text{Number of Gaps Between Tubs}}$$