CANZAC® GROUP

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FORMWORK SYSTEMS

RAFT FORM

INSTALLATION GUIDE

Raft Form is a patented permanent metal formwork system used in polystyrene or plastic raft floor systems to create a full depth movement joint. This guide covers setting out, fixing, reinforcing and pouring against Raft Form. Always install to the project engineer's drawings and specification.



BEFORE YOU START

- **Joint locations:** confirm positions on the engineer's plan. AS 2870 requires movement joints at 18 metre centres maximum, plus re-entrant corners and where tiled floor areas are separated.
- **Pack check:** Raft Form comes in 3 metre lengths with feet included in a flat pack. Hanger brackets and capping are supplied only if ordered.
- **Size check:** Raft Form is custom made to suit the slab depth (typical range 280 mm, 380–400 mm). Confirm the height matches the slab depth on the drawings.
- **Sub-base:** compacted hardfill and sand blinding should be complete and at the correct level, with DPC laid as shown on the drawings.

INSTALLATION STEPS

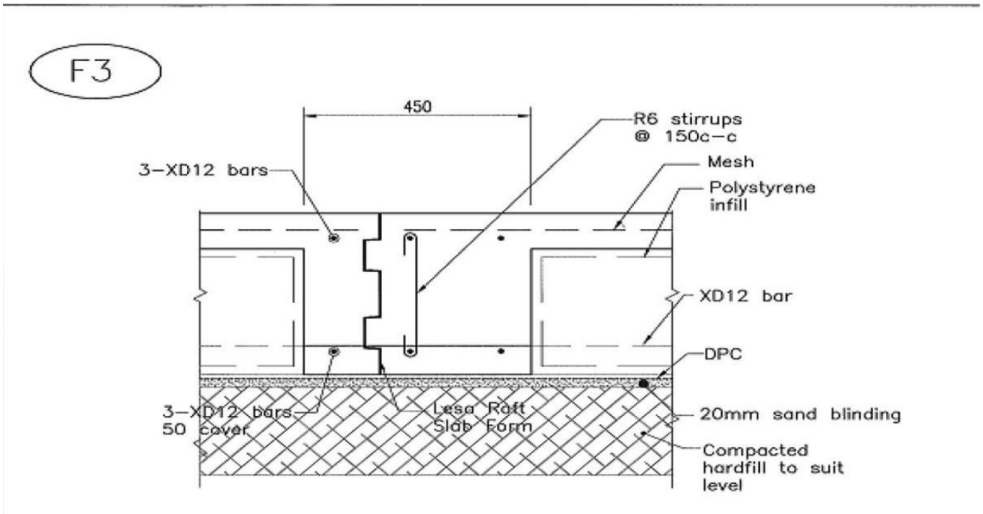
1. **Set out the joint line.** Mark the centreline of the joint on the blinding and run a string line the full length of the joint.
2. **Open the flat pack and fit the feet.** Attach the feet to each 3 m length so the form stands upright and square.



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3. **Position the form.** Place each length on the joint line with the feet flat on the blinding. If using hanger brackets, locate them so the system is supported in the correct position between the polystyrene blocks.
4. **Join the lengths.** Butt consecutive lengths tightly, with no gaps and the profiles aligned, so the joint line is continuous.
5. **Check line, level and plumb.** Use the string line and a spirit level. The form must be vertical and its top set to finished slab level. Adjust before anything else is placed.
6. **Place the polystyrene infill.** Fit blocks tight against both sides of the form, and make sure the form cannot move or bow.
7. **Fit reinforcing.** Place mesh and bars as detailed by the engineer. Reinforcing must be terminated at each side of the joint and must not pass through the form. If dowels are specified, place them through the slots in the form.
8. **Fit capping if required.** Optional capping is available as removable or stay-in-place.
9. **Final check before the pour.** Re-check line, level, plumb, support and joins. Fix any movement caused by trades or foot traffic.
10. **Pour.** Place concrete evenly on both sides of the joint at the same time so the form is not pushed off line. Keep vibrators clear of the form and finish to the top of the form.
11. **After the pour.** Remove any removable capping once the concrete has set. Movement at the joint will usually become evident as early as 24 hours after the pour. This is normal, and the joint is doing its job. Do not saw cut at the joint.

SAMPLE CROSS SECTION



Sample detail only. Bar sizes, cover, stirrups and spacing must follow the engineer's design for each project.