

ARMOUR JOINTS

ARMOURED COVER PLATE JOINT

INSTALLATION INSTRUCTIONS

NAIL-ON TO BOXING

GUIDE 1 / 2

Use this method for the two-part joint fixed to timber boxing and installed in two pours.

1 **Fix Side A (Side 1) to the timber boxing**
Fix the cover plate through the 6 mm holes. Brace the boxing. Set the top of the 30 × 10 mm steel bead to finished floor level. Keep the steel straight and plumb, with no roll. Fix the dowel sleeves to the boxing at slab mid-depth and at the specified centres.

2 **Place and finish Pour 1**
Consolidate the concrete around the edging and dowel sleeves. Do not let the vibrator head touch the dowel sleeves. Clean slurry off the steel joint while fresh.

3 **Strip the boxing and fit the dowels**
Once the concrete has cured sufficiently for stripping, remove the boxing. Clean the exposed steel face. Insert the specified plate dowels into the sleeves.

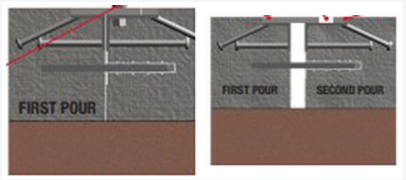
4 **Fit and restrain Side B (Side 2)**
Mechanical fixing. Remove the plastic bolts from Side A to expose the threads. Align the wide cover plate and secure it with the supplied steel bolts through the holes in the top plate.

5 **Place and finish Side B (Pour 2)**
Check that the cover plate is flush, aligned and secure. Place and finish the concrete on Side B. Clean slurry off the joint while it is still fresh.



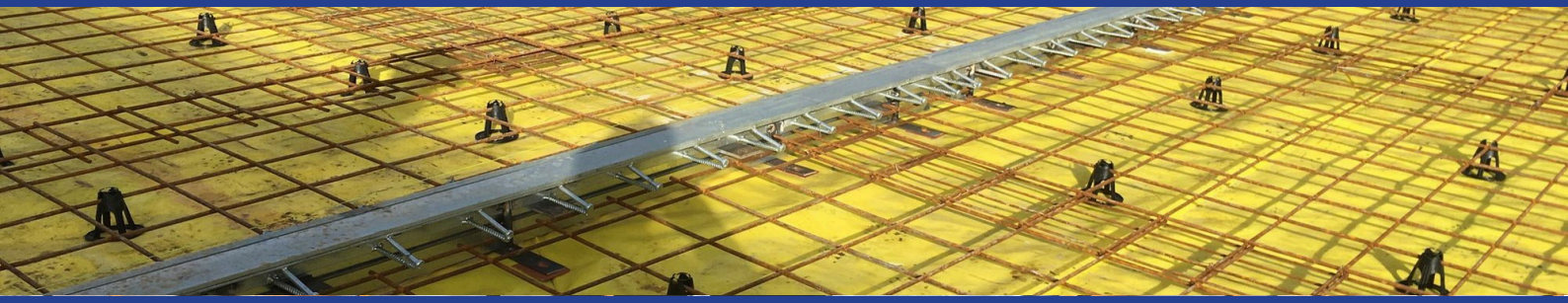
SIDE 1 ON TIMBER BOXING
Set the top of the 30 × 10 mm steel bead on Side 1 to finished floor level.

HOW THE COVER PLATE MOVES



Before opening | After opening

6 **Remove temporary top bolts 4 hours after Pour 2**
Remove all top bolts the same day. Leaving them in place prevents the joint from opening.



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FREESTANDING POUR-OVER

GUIDE 2 / 2

The joint arrives fully assembled and ready to install, with the plate dowel assembly and fixing feet already fitted. Confirm the fixing detail and pour sequence at the pre-pour meeting.

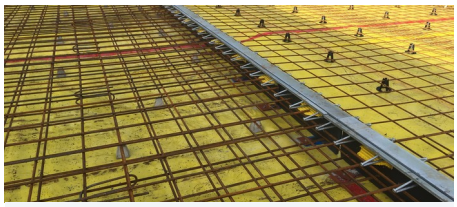
1 **Prepare the concrete support strip**
Set out the joint line. We recommend placing a 10 MPa site-concrete strip 400 mm wide × 100 mm deep along the line.

2 **Factory-made junctions are mandatory**
Use CANZAC-manufactured 2-way, 3-way or 4-way junctions at every intersection. Do not cut and butt straight lengths to form an intersection. Butt joints restrain joint opening as the slab shrinks and will cause cracking. Set the junctions first to suit the pour sequence.

3 **Align & Join the lengths**
Align the divider with the joint line. Face the 30 mm top plate towards Pour 1 where possible, including at junctions. Bolt the laps with the supplied fixings, leaving a 2.5 mm gap between top plate ends. If bolting down to the site concrete strip, fix at the outside ends of the foot slots.

4 **Level and secure the joint**
Use shims under the feet to set the steel top plate to finished floor level and level it across the joint. CANZAC supplies fixing pegs for pinning to the base and M8 × 60 mm masonry bolts for fixing to the site-concrete strip.

5 **Check the joint before pouring**
Verify factory-made junctions are fitted. Check line, level, plumb, lap gaps, dowels and sleeves. Make sure the assembly cannot shift during placement.



JOINT IN POSITION
Check the line, level and stability before concrete placement.

STEP 3
SIMULTANEOUS POURS / MONOPOURS
IMPORTANT FIXING NOTE
If fixing to a site-concrete strip, stagger the masonry bolts along the joint. At each foot, bolt only on the side **WITHOUT** the vertical R16 foot bar welded to the joint.



FREESTANDING ASSEMBLY

6 **Place concrete and release the staged fixings through the feet**
Ensure adequate consolidation along both sides of the joint. Clean slurry off the steel during finishing. For staged or stop pours, remove the exposed Pour 2 foot screws the day after Pour 1 and before Pour 2.

If you have any questions, please call us.