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ARMOUR JOINTS

MONOPOUR / ARMOUR JOINT / TERAJOINT

INSTALLATION INSTRUCTIONS

CANZAC Terajoint is supplied in 3metre lengths.

Step 1. Sub-base level

The sub-base must be made as accurate and level as possible to the requirements on the slab drawing. The tolerance of the level has to be taken into account when ordering joints. Typically the Joint height will be 5mm less than the slab depth.

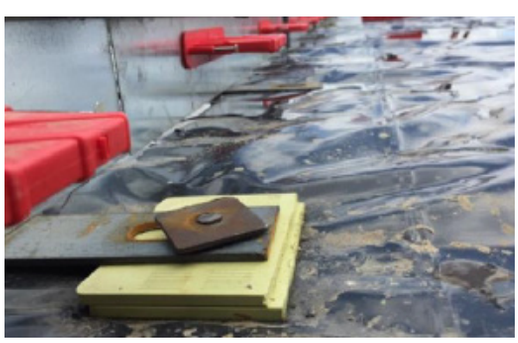
Step 2. Joint location

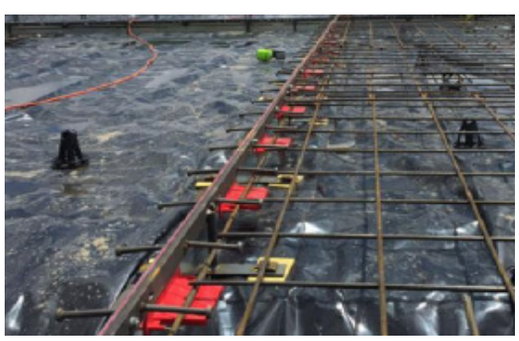
The required layout, position and height of the joints will be specified on the floor slab drawing which must be followed closely. String lines are placed to identify the position of joints according to the slab layout dimensioned drawings.

Step 3. Joint installation

You can install this system 2 ways, set the legs in concrete the day before the pour or use shims under the legs when pouring the same day.

Lay TERAJOINT out along string line with the plastic sleeves all on the same side. Subsequent joints are aligned, fixed at the overlap using dowel bushes, plastic bolts and nuts, adjusted and fixed in the same manner. The final joint in any run will usually require being cut to length. The gap between the column/wall and the last joint in series is measured taking account of suitable isolation material. The final joint is cut to length and installed in the same manner as previous joints.





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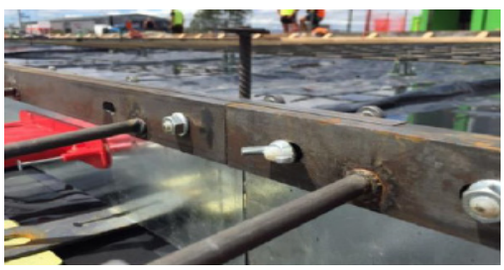


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INSTALLATION INSTRUCTIONS

Each 3 metre length has one 10 x 16 mm slot for connecting to the next 3 metre length. Use the nylon bolts provided, which are attached to one end of each set (do not use steel bolts). Fix the joints so that the ends of adjacent top strips do not touch. Leave a clearance gap of 1 mm to 2 mm to allow for longitudinal movement.



Using a dumpy level, set the top of the TERAJOINT off to FF (finish floor) level. The best way to achieve this is to start from one end, set level from end-middle-end of the 3 metre length. The joint should be set vertical using a spirit level which can be placed across the top edges.



You have set TERAJOINT to a gridline and to FF (finish floor) and are now ready to pour. IMPORTANT! Please ensure that your concrete placer understands that the concrete should finish at the top (FF) of the Armour Joint, not below and not above.



Please refer to the appended details for pegged foot, and intersection saw cut details.



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Step 4. Pouring concrete

Once rails are correctly positioned pouring of concrete can commence. Concrete should be poured to the level of the rails with particular attention to consolidation around the dowels and sleeves. All plate type dowels require close attention to filling around the dowels to eliminate the possibility of air entrapment. This should be done with a suitable vibrating poker. Both sides of joints can be poured at the same time if so required.

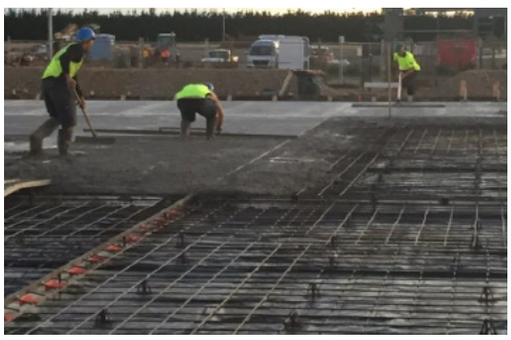
Step 1.



Step 2.



Step 3.



Step 4.



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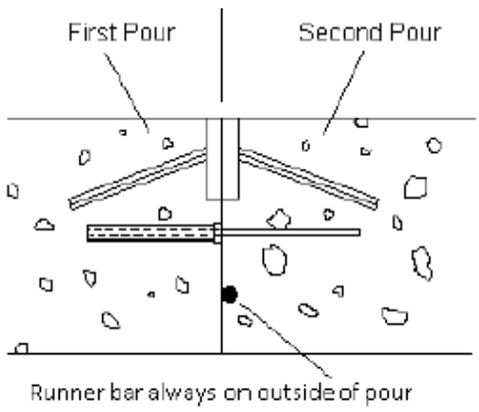
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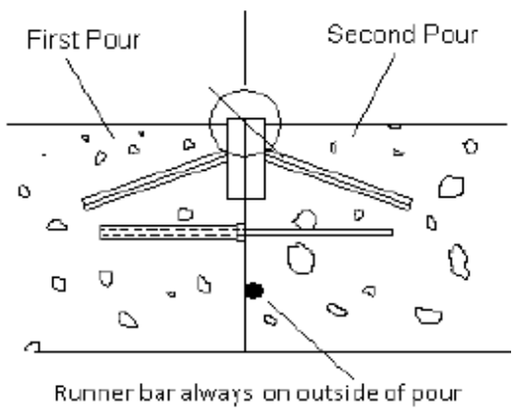
ARMOUR JOINTS

MONOPOUR / ARMOUR JOINT / TERAJOINT

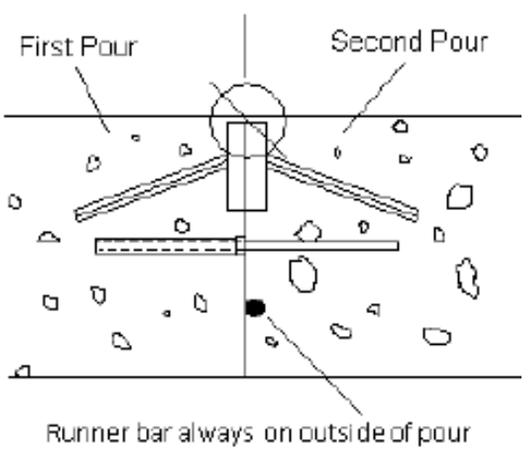
INSTALLATION INSTRUCTIONS



THIS WAY



NOT ABOVE



NOT BELOW

- Ensure any leftover concrete slurry is removed from the top of the joint
- Ensure all saw cuts cut right through the steel joint system
- Ensure all intersections of the joint are not continuous through the junction
- Ensure steel joint is set at FFL (finsihed floor level)

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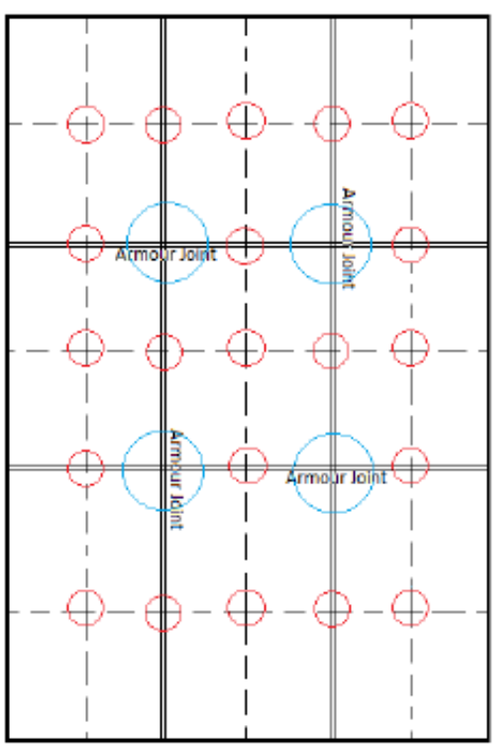


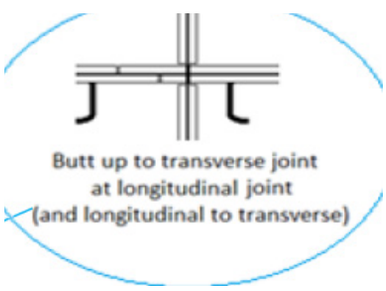
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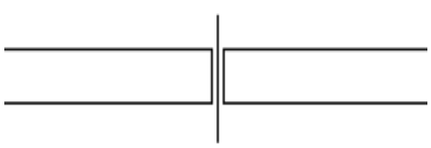
INSTALLATION INSTRUCTIONS

Intersection sawcut detail:
For slabs WITH Sawcuts

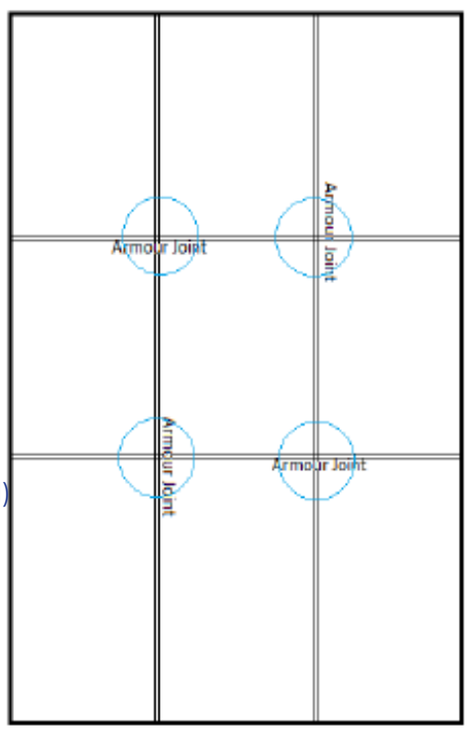




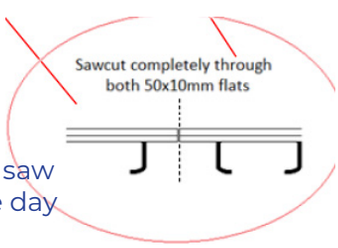
Ensure joint is cut through all intersections:
(Above: Intersections circled in red)
(Below: Plan view of cut joint)



For slabs with NO Sawcuts:
Cut completley through all joint intersections the day



For slabs WITH Sawcuts:
Cut completley through all joint intersections and all saw cut intersections the day after pouring.



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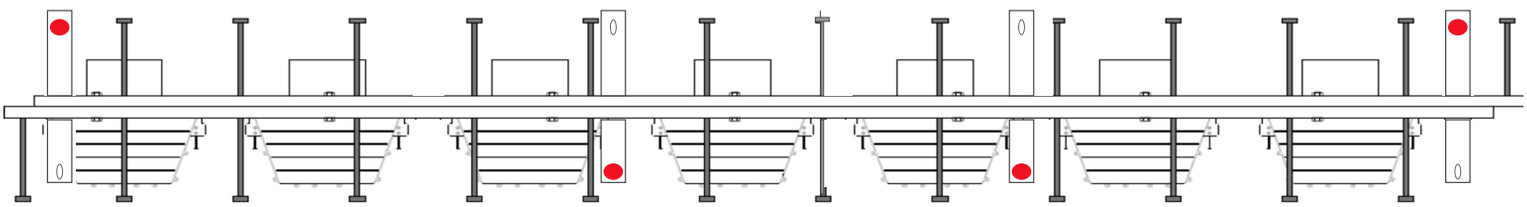


ARMOUR JOINTS

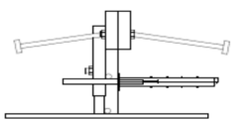
MONOPOUR / ARMOUR JOINT / TERAJOINT

INSTALLATION INSTRUCTIONS

Monopour / Armour Joint / Terajoint Peg & Foot Fixing Detail



1 PLAN VIEW
SCALE: 1:10



2 SIDE VIEW
SCALE: 1:10

● = Masonry bolting pattern for a monolithic pour (both sides at once).

Drive pin central to outside of slot in feet when fixing down into base.

When fixing with masonry bolts into a site concrete strip, isolate the top of the foot with a smooth plastic shim.

IMPORTANT - POURING BOTH SIDES AT ONCE

When masonry bolting the feet to a site concrete strip and pouring both sides of the joint at once, only bolt down the side of each foot that has the welded adjuster on it. Do not bolt both sides down.

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When pouring one side of the joint at a time, bolt down both sides of each foot. Before pouring the adjacent bay, remove the bolts from the side of each foot within that bay.

When penetrating through the DPM with the fixing pin method, seal over the top of the fixing pin and foot with STEGO tape, as pictured below.





FOR SITE SUPPORT PLEASE PHONE 0800 422 692

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