



AlphaJoint 4010 Installation

- USING ALPHAFEET

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1. For slabs up to 200mm thick, install one AlphaFoot at the start of the AlphaJoint 4010 run and one AlphaFoot at the midpoint of the AlphaJoint 4010, providing approximately 1.5m centres at each AlphaFoot unit.

For slabs deeper than 200mm, fix one AlphaFoot at the start of the run of AlphaJoint 4010 formwork and then an additional AlphaFoot unit at every other dowel position.

2. With the AlphaFeet in position on the ground, adjust the bottom nut to the approximate level required. Place the supplied washer and the AlphaJoint 4010 formwork on to the AlphaFeet then place on the top washer and screw on the final nut.

3. Install a 10mm diameter split dowel into the 10mm slots punched into the 10 x 40mm steel strip at the lap section.

4. Bring the two adjacent rails together at the lapped ends and tap the split dowel through the paired slots.



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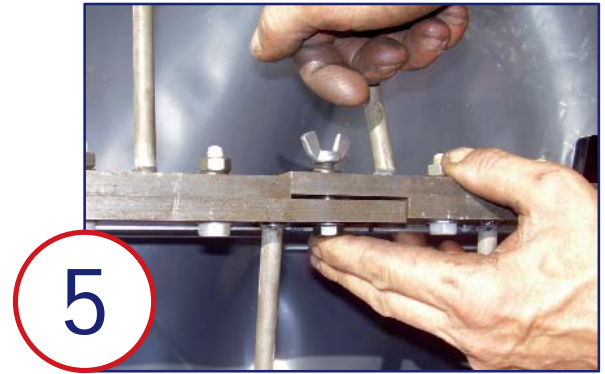
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5. The adjoining AlphaJoint 4010 rails are held together by passing an M8 x 40mm steel bolt through the split dowel, attaching and tightening the M8 wingnut.

NOTE: If pouring on both sides of the joint at the same time, M8 x 40mm Nylon bolts should be employed over steel to allow the joint to open correctly.

Remember to cast the first bay of concrete on the formwork edge with the wingnuts and dowels sleeves, then remove the steel bolts from the other side of the joint. The second steel strip will remain in-place and will be sufficiently secure during the second pour. Any nylon bolts left in place will shear as the joint opens.



6. After the AlphaJoint 4010 has been bolted to the adjacent sections - see 3, 4 & 5 - adjust the formwork to a final level. Do not slacken all of the top nuts at one time, as this may allow the joint to angle forward and precipitate a false final level reading.



7. For additional rigidity to resist sideways thrust from the wet concrete as it is poured into the jointed bay, drive 22mm max. diameter roadform pins into the sub base through the holes in the AlphaFeet base and the dowel plates.

NOTE: For deeper slabs, more fixings are required.

Tack weld the roadform pins to the dowels if you consider it necessary for the extra fixed rigidity.

