
EXPANSION JOINT

METHOD STATEMENT

- * Flat and level monolithic haunch or recess should be formed in the structural deck to accommodate rubber joint and the transition strips.
- * As the design stage care should be taken to locate the reinforcement avoiding the position of the bridge joint anchor studs.
- * In the interest of achieving a smooth traffic ride over the joint, the wearing course should be machine laid continuously over the structural joint, which is cover by plywood and subsequently removed by sawing just prior to installing the bridge joint.



- * The surfacing may then be saw and removed to the dimension equivalent to the installation width of the joint plus the two transition strips.



- * The exposed concrete should be rough it and the final level of bed adjusted using a leveling mortar approximately 20mm thick maintaining the panel depth, ie 54mm in the case of model RJ 100.



- * The rubber panel centered over the construction gap in the deck may be used as templates for the pilot holes thus determining the final position of the bolt holes or by use prepared template.



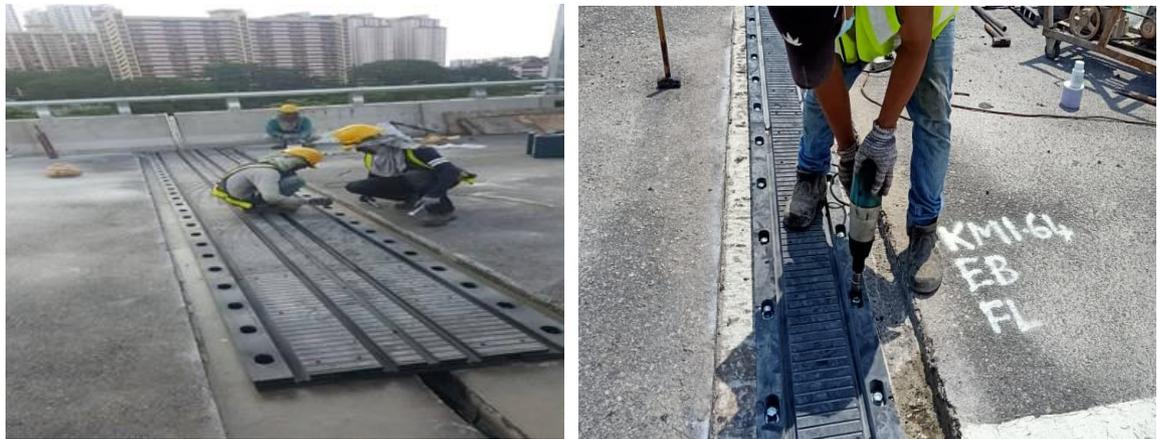
- * The final bolt holes should be drilled and studs installed using chemical fixing anchors. Each bridge joint unit may then laid into position on beads of sealant, plain clipped washers supplied with each unit located, and the assembly bolted down.



- * Subsequent panel should then be located and fixed in the same way, the sealant first being applied to the tongue and groove edges to each unit prior to jacking into position to ensure substantially waterproof junction.



- * The fixing nuts should be torque to the rate indicated for each model and epoxy nosing laid level with the wearing surface for transition strip.



- * Following final torque checks on fixing nut, the bolt caps should be filling each pocket with sealant to protect the stud against corrosion.



The joint is allowed to cool to ambient temperature and may be trafficked in 1 – 2 hours.



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