

ISEDIO

STEELDECKJOINT[®]

Technical Datasheet

Isedio STEELDECKJOINT[®] is a revolutionary leave-in-place composite floor joint solution, which solves many of the deficiencies and time consuming elements of forming a construction joint on a steel deck floor using timber formwork.

Traditional methods involve fixing lengths of timber, end to end, on top of the steel decking and mesh reinforcement. Mesh reinforcement is positioned to a specific height above the steel decking to provide structural integrity when embedded in the concrete slab. When timber is used as a joint detail, the mesh reinforcement often becomes pressed close to the top of the steel decking leading to loss of embedment in the concrete and loss of structural integrity.

Large gaps between the underside of the timber and the steel decking troughs allow concrete to uncontrollably spill through, causing additional time to be spent on cleaning up. Voids within the concrete matrix are created near the joint, in congested areas between the mesh and the steel decking where there is insufficient space for concrete to flow.

This again leads to a loss of structural integrity. The concrete slab thickness is a critical feature of the slab design. Timber formwork is awkward to height adjust and packing may be necessary. This requires repeated checks and adjustment resulting in an inconsistent slab thickness.

Isedio STEELDECKJOINT[®] eliminates these problems and produces a superior construction detail.

Fixing of Isedio STEELDECKJOINT[®] could not be simpler. Self-cutting fasteners are used to fit STEELDECKJOINT[®] to the steel deck profile. Lengths of interlocking STEELDECKJOINT[®] can be quickly, easily and accurately set up using just a string line and no special tools. A consistent slab thickness can be guaranteed. In addition to a quick installation time, there is no time wasted stripping out STEELDECKJOINT[®], unlike timber, as it is leave-in-place. Voids are eliminated in the concrete matrix as mesh reinforcement remains at the correct height above the steel decking and round dowel bars are used to span the joint providing continuity of load transfer.

Isedio STEELDECKJOINT[®] provides flooring contractors with a more professional, more economical and structurally engineered way of finishing a day's pour.

