

## Installation Guide KSN Box

Ancon KSN Boxes simplify the continuity of reinforcement at concrete construction joints. They allow engineers to design slab-to-wall connections without the traditional restrictions on bar length and bar diameter of re-bend/pull-out continuity systems and help contractors to eliminate manual bar straightening on site.

### KSN Box Installation

1. The KSN Box should be orientated according to the designer's specification. Position as required. The complete unit is nailed to the formwork and wired back to the main reinforcement cage. Other wall reinforcement should be installed to the Engineer's details and the concrete is cast.



The anchors of the KSN box need to be firmly tied to the wall reinforcement to prevent any movement during the pouring process. If the anchors move or rotate during the pour, the alignment of the starter bars will be affected and they may not fit into the slab later.



KSN boxes placed deep in the pour can be subject to considerable forces that can deform the box and anchor arrangement. In these applications use single rows and / or pay particular attention to securing the individual anchors.

2. Once the concrete has reached sufficient strength, the formwork is removed to reveal the box face and the box lid is removed.



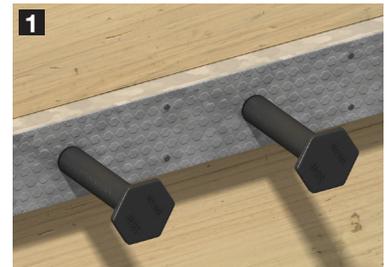
Box lid can have sharp edges. Use appropriate PPE to avoid injury.

3. When installation of the starter bars is required, remove Hex screws to reveal the internal threads.
4. Install the Ancon BT Starter Bars, ensuring that they are fully tightened. Once tightened, no more than 2-4mm of thread should be left exposed. Please check the installation guide for the Ancon BT Coupler System for further information.



To ensure structural integrity of the connection, any actions such as on-site bending, which induce cold working of the bar in the threaded region are to be strictly avoided.

5. Slab reinforcement should be installed to the Engineer's details and the slab cast to complete the application.



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