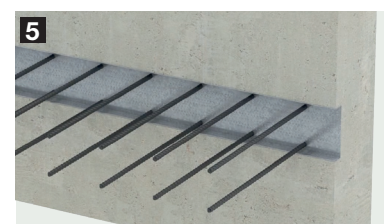
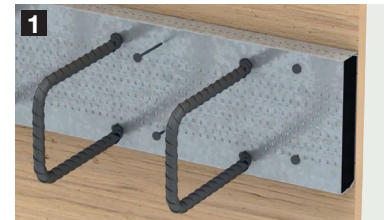


Installation Guide Keybox

Ancon Keyboxes simplify the continuity of reinforcement at concrete construction joints.

Keybox Installation

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



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



Keyboxes placed deep in the pour can be subject to considerable forces that may deform the box and bar arrangement. In these applications use single rows and / or pay particular attention to securing the individual bars.

3. Once the concrete has reached sufficient strength, the formwork is removed. Remove the box lid to reveal the bars.



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

4. Straighten the bars using the Ancon Keybox Re-bending Tool. The process should be smooth and progressive. The tool should contact the Keybox steel metal casing at the completion of the straightening process.
5. To avoid damage to adjacent concrete, it is prudent to allow a concrete curing period of seven days. Once the bars are straightened and aligned they are ready for lapping.



Keybox reinforcing bars should not be straightened when the temperature of the steel is below 5°C. Where straightening is necessary below 5°C, indirect warming of the steel to a temperature not exceeding 100°C is permitted.

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

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