

WINCRO QUICKDECK (FIG. 1)

Wincro WSQD Quickdeck has been developed for use with the permanent metal deck shuttering of steel-framed structures to both retain concrete and provide a fixing for a masonry support systems; it features an integral channel section that accepts 'T' Head Bolts. It is manufactured in standard three metre lengths in a height to suit the floor thickness.

Quickdeck should only be used with Wincro bolts and Wincro masonry support systems, and should be fixed in accordance with the recommendations provided in this guide.

SAFETY PRECAUTIONS

Wincro steel products are produced from sheared plate. As with all such industrial fabrications, these may have sharp edges. **Suitable personal protective equipment should be worn at all times during handling and installation.**

STORAGE AND CARE INSTRUCTIONS

Wincro Quickdeck performs a structural function. It is very important that the outside edge remains vertical.

Care must be taken when handling the Quickdeck to avoid deformation and damage. Bundles should be stored clear from the ground on suitable supports, to avoid contamination and damage.

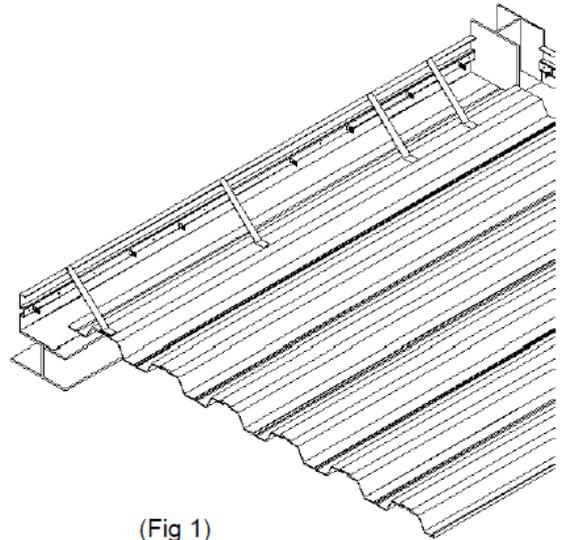
Quickdeck has a special stiffener incorporated into its design to help alleviate any local distortion, however any damage should be avoided, as this will affect the channel line and level, and ultimately the stability of the external leaf of masonry.

VERTICAL ALIGNMENT (FIG. 2)

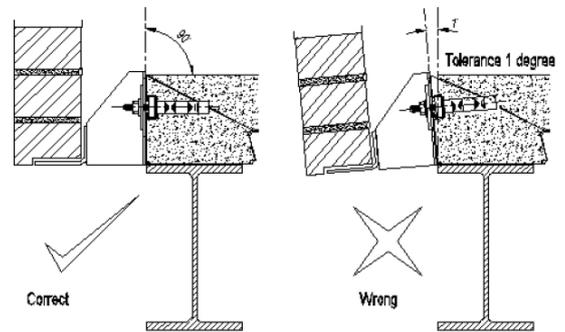
Quickdeck should be fixed ensuring the vertical leg, which incorporates the cast-in channel, is within $\pm 1^\circ$. The consequence of a non-vertical leg is reflected when the support system is fixed. The example shown indicates the amplification of movement for a typical downstand system.

BUTT JOINTS (FIG. 3)

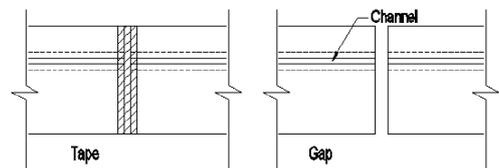
Lengths of Quickdeck should be butted against each other and the joints taped to prevent concrete leakage. (Tape: Aluminum foil tape 50mm wide, 'Alifoil').



(Fig 1)



(Fig 2)



Concrete ingress (Fig 3)

Installation Instructions

Quickdeck

**EDGE DETAILS & LOCAL REINFORCEMENT (FIG. 4)**

A minimum of 125mm should be left between the outer edge of the Quickdeck and the metal deck to allow sufficient space for the channel anchors and the local reinforcement. Where the decking is at 90° to the Quickdeck, the open troughs must be filled to retain the wet concrete.

Quickdeck requires no special reinforcement, providing that the slab provides at least the equivalent of H8 Shape 13 bars at a maximum of 150mm centres.

When positioning the Quickdeck it is essential that the top longitudinal reinforcement does not rest or interfere with the channel lugs. Should this occur, the top edge distribution bar should be moved slightly away from the slab edge to give sufficient clearance.

OVERHANG (FIG. 5)

The outer edge of the Quickdeck can extend unpropped beyond the steelwork up to a maximum distance of 100mm. If a greater distance is required, both the metal deck and the Quickdeck will need to be propped.

FIXING DETAILS (FIGS. 6 & 7)

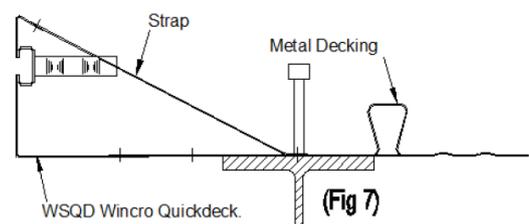
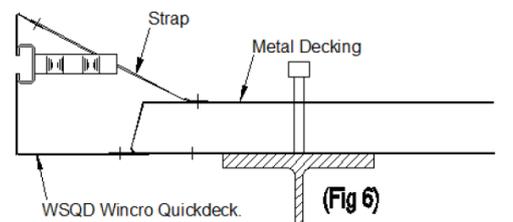
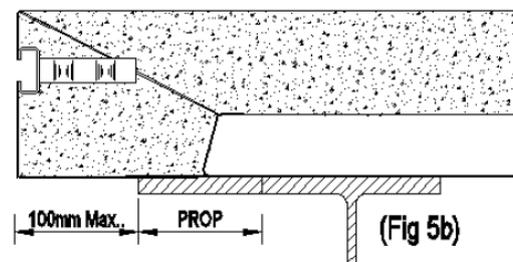
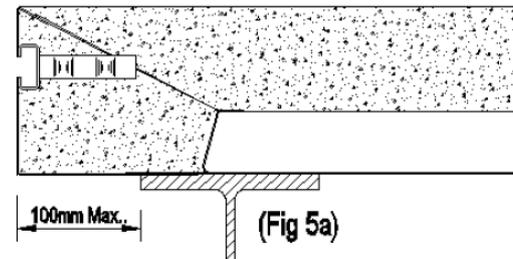
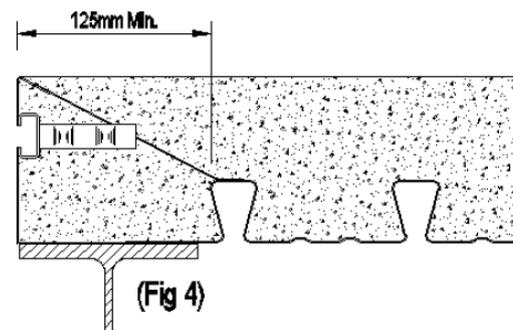
The bottom leg of the Quickdeck should be fixed to steelwork / metal deck at 300mm maximum centres.

Straps are supplied to restrain the top edge of the Quickdeck. These should be fixed within 100mm of a joint or end and at centres not exceeding 450mm thereafter. The straps are supplied in 1.5 metre lengths for cutting and bending on site.

Stainless steel and carbon steel self-drill self-tap screws are available from Wincro.

CUTTING ON SITE

Quickdeck can be cut to suit on site. As with all cast-in channels, it is important to ensure that there is an anchor within 50mm from the end of the channel. A distance greater than 50mm will reduce the load carrying capacity of the channel.

**GENERAL**

All Wincro products are produced from Type 1.4301 (304) Stainless Steel u.n.o. and are generally produced from sheared plate. As with all similar industrial fabrications, these may present sharp edges and suitable personnel protective equipment should be worn at all times during handling and installation. In all cases, installation should be entrusted to appropriately qualified/experienced persons.

All contact between dissimilar metals must be isolated using isolation patches/washers.

All bolts specified must be installed and torqued to Manufacturers Recommendations / Guidelines.

The Construction applications and details provided in this guide are indicative only.