Pre-cast Planks – Metal Decking

MORGAN SINDALL CONSTRUCTION

To facilitate this ambition of getting the quality right, these checks should take place:

- Check span of metal decking against manufacturers' literature for allowable deflection. Ensure gauge of decking is as specified
- Are edge trim details as specified tie-backs, overhangs etc? Is additional propping required?
- What is the regime for testing?
- Check electrical requirements for stud welding. Generator may be required (may be supplied by subcontractor). If so, check access restrictions

Note: All planks and metal decking acting as temporary formwork are classed as temporary works and require need to comply with temporary works procedure of Morgan Sindall

- Have builders' work-holes been detailed?
- What finish is required to the top of slabs? Composite slabs will require a degree of bond between the plank and the topping
- Be aware that pre-cast planks may have residual water within the voids
- What camber will the beams / slabs have? Does this allow sufficient thickness of finish if camber does not come out?
- When placing slabs onto masonry, use sand / cement bedding to allow for unevenness in the level of the support
- Avoid impact damage to slab or support
- What placing tolerance has been allowed for in lengths of units?
- Is it compatible with minimum bearing requirements?
- Are there other minimum dimensions required as well as bearing, e.g. gap between units?
- Ensure gaps between bottom edges of units are sealed before concreting and that the correct concrete is used to fill the space

Metal decking:

- Is there a requirement for any stud welds to be tested?
- Allow for possible additional concrete required due to deflection
- Is temporary propping during concrete casting to decking or beams required? If so, obtain design approval
- Has edge protection / netting been provided?
- Has check certification been obtained?
- Tape all gaps to prevent grout loss through the metal decking