

Ultra fast precast flooring

Mile End in Adelaide has a good example of how to speed up the construction cycle, while eliminating the need for propping and overcoming problems associated with limited site access. In this case the Ultrafloor precast flooring system was selected for a 6,000 square metre two-storey office/warehouse building.

According to Project Manager John Woodbridge, "To take advantage of the fast erection time of the system, we needed to keep the ground floor as clear as possible during all phases of construction. No propping was required and only minimal temporary propping was required to the underside of the structural steel beams enabling continuous, virtually unimpeded work space at ground floor level."

As compared to a conventional concrete slab with its multiplicity of props and formwork elements, not only was the ground floor kept remarkably free by the precast flooring system, but the time saving was estimated by the builder as 28 days, resulting in savings of \$38,000.

John continues, "The Ultrafloor was placed in less than two weeks. In the main, the precast beams were craned in over the load-bearing precast walls from the outside but in a few cases, some were

Precast manufacturer

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installed from within the building and beneath the already placed structural roof steelwork."

The 2,000 square metres of suspended flooring aesthetically fitted in with the semi-industrial concept of a building with no ceiling.

The reflectivity of the metal infill between the precast beams enhances the natural lighting within the building without the need to provide a ceiling or to paint a slab soffit. The effect is deemed attractive and acceptable for ground floor retail outlets and other uses like the intended processing of flowers for the SA and NT markets.



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