



KEY PROJECT: IN PROGRESS DARLING HARBOUR LIVE

MATERIALS: KingFlor® KF70 and KF57
BUILDER: Lend Lease
ENGINEER: Robert Bird Group
INSTALLER: Santana Stud Welding

PROJECT SPECIFICS

- Total of 30,000 m² of KingFlor KF70 and KF57
- 1.00mm steel formwork
- 7.8m sheet lengths
- Steel grade: G550



THE PROJECT

Currently in construction, the \$2.5 billion Darling Harbour Live project in Sydney consists of various upgrades to the precinct including a new hotel, extensive retail space and brand new convention and exhibition facility. The redevelopment will replace the recently demolished Sydney Convention and Exhibition Centre.

With on-site works commencing early 2014, the urban regeneration will cater for the area's 13.7 million annual visitors and is also set to provide a series of refurbishments to entertainment amenities on the 20 acre block.

Fielders were contracted by Lend Lease and the Robert Bird Group as part of the construction of the world-class complex to provide a combination of KingFlor® KF70 and KF57 decking to various parts of the development.

THE SOLUTION

KingFlor KF70 was chosen as the material of choice, accounting for 80% of the total formwork supplied on site. The standing capability of the profile to handle the significant concrete slab load make it the only system on the market to meet the project construction demands.

The remaining material, accounting for 20% of the 30,000m² being supplied, is KF57 which was chosen due to its formwork capabilities and ability to meet the project requirements.

THE PROCESS

The supply of both KingFlor decking profiles commenced in March 2015 with an estimated completion date of October 2015. The entire redevelopment is set to be operational by late 2016.

KingFlor®

Fielders KingFlor® is a revolutionary steel formwork solution ideal for complete concrete slabs in concrete and steel framed construction over lengthy spans. With five deckings available including two trapezoidal profiles, two re-entrant profiles and a deep deck profile, KingFlor® is Australia's largest range of composite steel formwork, with the longest spans and deepest profiles on the market.

Project uses include commercial buildings, shopping centres, multi-storey buildings, multilevel car parks, and residential construction.