

CROWN TOWERS PERTH

PROJECT NAME:
PROFILE:
ARCHITECT:
BUILDER:
CONTRACTOR:
ENGINEERS:

Crown Towers, Perth
Kingflor® KF70®
YWS
Brookfield Multiplex
Perth Rigging Company Pty Ltd
AECOM and John A Martin



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PROFILE: Kingflor® KF70®
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PROJECT SPECIFICS

20,000m² of KingFlor® KF70® | KF70® 1.0mm BMT

THE PROJECT

Fielders worked in collaboration with architecture firm, YWS, builder, Brookfield Multiplex, and engineers, AECOM and John A Martin on the \$750 million, 500 room expansion of the Crown Towers Perth, which saw the complex become the first 6-star hotel in Western Australia. Constructed from late 2014 until late 2016, Fielders were commissioned to supply the building with 20,000m² of KingFlor® KF70® steel formwork, which was used for its lightweight large span profiles.

The state-of-the-art development has been designed to transform the Crown Towers into a premium tourist destination to bring the hotel's total capacity to 1200 rooms, while also certifying it the largest hotel complex the city has ever seen. The project extension additionally offers numerous dining and retail options, full-service spa and fitness centre, a business centre, a large convention and meeting complex, multi-tiered pool and private gaming salons.

THE SOLUTION

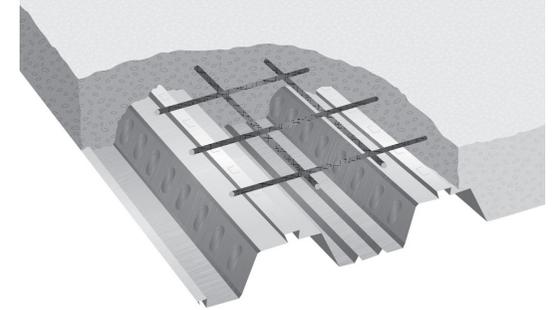
Fielders KingFlor® KF70® was the solution of choice and specified by engineers AECOM for its cost efficient composite steel formwork system, due to its longer span, deeper profile and easy installation, in comparison to other existing formwork options.

THE PROCESS

One of the major benefits of using Fielders Kingflor® KF70® was the ability to install the sheets in a small space restricted by scaffolding as well as the significant cost savings the profile offers. Due to the restricted installation space, the contractors were able to lay the sheeting from the underside of the platform and then crimp the sheets once the area above was clear.

KINGFLOR® KF70®

The Fielders KingFlor® KF70® profile displaces 26mm of concrete from the total slab depth to achieve a lightweight slab providing a significant saving in concrete, supporting framework and foundation load costs. In addition, the KF70® has SquashCut™ ends and is available in pre-cut lengths with a 600mm wide cover, making this product easy and considerably faster to install.



CASE
STUDY