

CASE
STUDY

MERITON NORTH SYDNEY

PROFILE:
BUILDER:
ENGINEER:
ARCHITECT:
INSTALLER:

KingFlor® CF210
Meriton
Enstruct
Tony Caro Architects
Santana Stud Welding



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PROJECT SPECIFICS

Total of 20,000 m² of KingFlor CF210 | 1.21mm steel formwork | Construction depth of 290mm | 7.5m sheet lengths | Steel grade: G550

THE PROJECT

Fielders was contracted by Meriton, Enstruct and Tony Caro Architects to provide 20,000m² of KingFlor CF210 decking for the recently completed luxury Meriton apartment tower in North Sydney.

Heralded as a 'game-changer' for industry construction methods, the \$200m development is the first high-rise residential building in Australia to be constructed purely from structural steel, eliminating the use of the traditional concrete frame building method.

The Arthur Street tower is perfectly positioned within the North Sydney commercial district, with the Sydney CBD only 3.5kms away and the airport within a 30-minute drive. The 29-story building features breathtaking views of Sydney's most iconic landmarks the Sydney Harbour Bridge, Sydney Opera House and Circular Quay.

With 218 stylish short-stay apartments across 30 levels, each meticulously designed apartment provides unparalleled luxury featuring an oversized living and dining area, fully-equipped kitchen and internal laundry with clothes washer and dryer.

THE SOLUTION

The KingFlor® CF210 SlimFlor® system was chosen due to its ability to reduce the construction depth of the flooring from the traditional steel construction depth of 450mm to 650mm, down to 290mm. This allows the construction method of steel to compete favourably with concrete framed buildings and in comparison, contributed to a significantly faster construction time and reduced costs.

THE PROCESS

The supply of the KingFlor decking profile commenced in June 2015 and as installed by late 2015. The entire development was completed in mid-2016 with the stylish apartments opened up to residents thereafter.

SLIMFLOR®

SlimFlor utilises Fielders CF210 flooring profile in conjunction with Asymmetric Steel Beam Sections (ASB) to provide a floor system with a reduced construction zone. It does this by combining the floor slab and supporting structure in the same plane, providing a lightweight, versatile, long spanning floor system. The KingFlor® range includes five steel formwork profiles, including two trapezoidal profiles, two re-entrant profiles and a deep deck profile. It is Australia's largest range of composite steel formwork, with the longest spans and deepest profiles on the market.



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