

**Project:** MiCasa8 Student  
Accommodation, Melbourne

**Products:** TRUSSDEK®

# TRUSSDEK® creates a solid platform for students



**A complete package solution by OneSteel Reinforcing played a major role in the fast-track construction of a student accommodation building in Swanston Street, Melbourne.**

Retaining the external facade of the historic Canada Hotel, the MiCasa8 is a \$22m, 219 unit building located between two of Melbourne's leading higher education institutions.

Designed by architectural firm Hayball Leonard Stent and built by Galvin Construction for Melbourne based developer Mider Developments Pty Ltd, construction of the 13 storey MiCasa8 building was completed in just 15 months, two months ahead of schedule.

Contributing significantly to the efficiency of construction was the use of TRUSSDEK® from OneSteel Reinforcing.

TRUSSDEK® is a lightweight permanent composite formwork system, which is easy to handle and install to instantly create a safe and stable working platform.

Left: MiCasa8 Student Accommodation  
Above: TRUSSDEK® permanent composite formwork before and after slab pouring.





**“Using TRUSSDEK® formwork from OneSteel Reinforcing saved around six weeks over the course of the project, which is a considerable saving.”**

Jeremy Goodger, Project Manager for MiCasa8, Galvin Constructions

**“It’s a great product and an excellent solution. We were so impressed with TRUSSDEK® that we’re re-designing another project so we can incorporate the system.”**

Jeremy Goodger, Project Manager for MiCasa8, Galvin Constructions

Cameron Jackson, Director of consulting engineering firm Wallbridge and Gilbert said, “Due to a highly compressed construction program, Galvin Construction was keen to save time wherever possible. We suggested the use of TRUSSDEK® permanent composite formwork and 500PLUS® BAMTEC® carpets to enable this to occur.

“One of the advantages of TRUSSDEK is that once you have poured a slab the floor below can commence internal fitout the following day without interference from any backpropping which in a conventional system may be required for up to 21 days.”

In Melbourne, Galvin Construction are market leaders in student accommodation construction, building in excess of 1000 student units over the past five years.

“To achieve the completion date required by the developer, Galvin investigated several construction methods and options including TRUSSDEK®,” said Jeremy Goodger, Project Manager, Galvin Construction.

“The SUPPLY & FIX® program developed by OneSteel Reinforcing, in conjunction with the use of TRUSSDEK®, saved us a considerable amount of time and labour.

“This is the first time we have used TRUSSDEK®. It’s a great product and we were so impressed that we’re currently re-designing another project to incorporate the system,” he said.

The OneSteel Reinforcing program called for each level to be completed in three days. This was achieved by using 450 square metres of TRUSSDEK® permanent formwork and reinforcement per level, with the TRUSSDEK® installation completed in two days by five men.

In addition to the TRUSSDEK® decking platform, OneSteel Reinforcing also prefabricated and supplied BAMTEC® carpets made from N16 500PLUS® REBAR spaced at 200 mm centres.

BAMTEC® carpets also reduce labour and on-site steelfixing requirements. Once craned into place, a BAMTEC® carpet is simply unrolled by two men.

“We received excellent support from OneSteel Reinforcing engineers Con Komselis and Micah Biggs who co-ordinated the Supply & Fix of the TRUSSDEK® decking. They were onsite during installation and available whenever we needed them,” Jeremy said.

OneSteel Reinforcing developed a Supply & Fix package solution for MiCasa8’s suspended slabs from Level 2 - 13, incorporating design, supply and installation of TRUSSDEK®, prefabricated 500PLUS® BAMTEC® carpets and structural reinforcement.

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