



Australian Training Management – June 2019

Tilt-up Construction: What Makes It So Appealing?

Almost 100 years ago, an architect in California created something that would utterly revolutionise the construction industry. Instead of creating a wall by pouring concrete directly into upright formwork, he devised a method of forming the wall on the ground, and then tilting it up into place via a crane.

Tilt-up construction has since become a favourite method for architects to create commercial buildings quickly and economically, as well as delving into intricate and complex designs.

Tilt construction in Perth is in full swing. It comes with a lot of advantages so today we'll explore the pros and cons of this fascinating process.

The Advantages of Tilt Panel Construction

Fast Construction

Everything moves at a more streamlined, compact pace. Tilt-up panels are created on-site by workers who then continue on to other tasks while the pour sets. Transport delays are minimised. When panels are ready, a crane efficiently lifts them into place. Meanwhile, other trades will have started their fit-out earlier than they would on a traditional construction.

Cost-Effective

Tilt construction in Perth has a reduced reliance on manufactured parts, an increased use of unskilled labour and saves on the number of labourers needed. Throw in little to no scaffolding work and the risk of costly workplace accidents is also reduced.

Very Durable

Early tilt-up buildings created in the U.S. in the 1940s are still presenting well today with minimal signs of wear. Add to this that concrete withstands extreme storms well and requires almost no ongoing maintenance and it all paints a very positive picture for the future of tilt construction in Perth.

Safe and Spacious

Concrete is resistant to fire, making tilt-up panels a reliable barrier between precious people and personal effects. They're also a space-saver thanks to the load-bearing walls, dispensing with the need for perimeter columns.



Are there any drawbacks to Tilt-up Construction?

Prepare!

Efficient construction with tilt-up panels is only smooth when you put the detailed planning in at the start. Early co-ordination of teams means less delays. And beware design changes – once the panels have been constructed, variations will always be a costly process.

Limited site size

The beauty of tilt construction in Perth is that the panels are made on-site. This requires a flat preparation area. If your site lacks this, then the panels can be made elsewhere but this will involve transportation costs or stacking.

Unskilled but trained Labour

While unskilled labour can be used, even they must meet minimum tilt-up requirements. Make sure everyone on the team holds the [Identify Requirements for Safe Tilt-Up Work](#) from Australian Training Management.

Why Use Australian Training Management For Tilt-Up Construction Training?

Australian Training Management is a Registered Training Organisation (RTO) who after 30 years, has become the proven specialist in Perth for delivering high quality training programs for civil and building construction, plant operations, mining, aviation and transport, to name a few.

The 1-day [Identify Requirements for Safe Tilt-Up Work](#) is essential for gaining the basic understanding of hazard identification, job requirements, safety equipment, WHS standards, legislative requirements and codes of practice related to tilt-up work.

Register Now

Tilt-up construction is a popular method of building assembly. To put your hand up as part of tilt construction in Perth, start is with Australian Training Management. A new course is available now so please [check it out online](#) and register now.