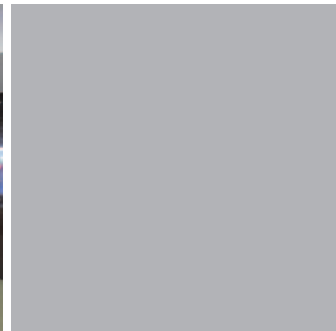




Innovative pre-fabricated permanent formwork wall solutions; factory made to suit your building requirements.



Ritek® - an alternative, innovative & cost effective building method

Pre-fabricated wall panel systems to suit your building requirements. The high quality innovative **Ritek®** wall systems provide speed of construction, structural, fire and acoustic properties, as well as safe building practices.

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1982

Ritek® Building Solutions ESTABLISHED 1982

Established since 1982, we are continually investing in our core products to provide innovative building solutions.



25 YEAR WARRANTY

Up to 25 years warranty available - for peace of mind (subject to conditions).



DRAFTING SERVICE

Utilise our comprehensive drafting service to ensure your building is manufactured to the correct requirements.



STRUCTURAL STRENGTH

High strength, durable, reinforced concrete offers the ultimate outcome with minimal maintenance.



ON-SITE PROJECT ASSISTANCE

Ritek® construction managers co-ordinate the wall panels to site and provide information and assistance to on-site trades.



HIGH THERMAL RATING

The **XL Thermal** wall system incorporates built-in insulation which meets the requirements (section J) of BCA.



FAST TRACK YOUR CONSTRUCTION PROJECT

Fast track the construction of your project by reducing the floor cycle times.



OUTSTANDING FIRE RATED WALL SYSTEM

Up to 4 hours fire rating.
BCA compliant.



ENVIRONMENTAL CREDENTIALS

Drastically reduces waste from building sites and less water is used.



EXCELLENT ACOUSTIC RATING

Meets and exceeds the BCA requirements of intertenancy sound transfer.



Benefit from our knowledge. Profit from our experience.

Ritek® is the manufacturer of the innovative **XL** and **XL Thermal** wall systems. These insitu systems consist of pre-fabricated panels using a composite stud assembly, providing a permanent formwork for reinforced concrete walls.

- A cost effective building method that achieves the benefits of fire rated, steel-reinforced concrete walls.
- Reduce material and handling costs.
- Provide a safer, cleaner workplace.
- Reduce site waste.

The advantages of using a **Ritek®** wall system include reduced materials handling and crantage; to faster build times and savings. With additional internal thermal mass and sustainability benefits.

DURABLE & LOW MAINTENANCE

- High quality, resilient fibre cement faced wall panels.
- Fast erection speed – reduced need for cranes.
- Minimum waste, recyclable materials.
- BCA compliant – rated for structural fire, acoustic & thermal properties.

SUPERIOR STUD & TRACK SYSTEM

- Fully captured & aligned panels, top, bottom & corners, strong aluminium to aluminium connections.
- Flat & straight wall faces, corners & edges.
- Reduced finishing trade requirements.

ENGINEERING & STRUCTURAL CAPACITY

- Walls can be designed as deep beams to span between columns, eliminating transfer beams.
- Structural elements can be easily reduced or increased to suit the building design.
- High load capacity allows wall thickness to be reduced to save on costs.

WIDE RANGE OF WALL THICKNESSES:

115mm, 135mm, 150mm, 165mm, 200mm & 265mm

- Wall can be tailored to building design requirements.
- 200mm + 265mm thick panels available with double layer reinforcement capability.

INTERNAL WALLS – FREE OF RESTRICTIVE SYSTEM COMPONENTS

- Allows free flow of concrete within wall and uniform concrete structure.
- Wall can be designed in accordance with 'Concrete Structures AS3600' and BCA.
- Easy access, placement and inspection of reinforcement steel.
- Services (power etc.) are installed through walls easily, prior to concrete pour.

EASY TO INSTALL

- Pre-fabricated panel packs are delivered to site to suit your construction program.
- No unnecessary materials on-site when not required.
- Pre-fabricated panels designed to suit the building.
- Panels are straight & true walls for easy installation.
- Increased construction efficiencies as less weather reliant.

RANGE OF ACCESSORIES AVAILABLE.

- Standard express joint detail for external slab wall junctions.
- Built-in thermal insulation.
- Suite of architecturally modern compatible window & door frames.

DEDICATED RITEK SERVICE TEAM

- Committed technical services team.
- On-site construction management assistance.
- Dependable customer service & sales support team.
- Drafting support services.
- Full range of recommended finishes applications.

Features overview



SITE SAFETY

Panels can be handled easily and plastic spacers provide safe areas for manual lifting – no sharp metal edges.



SPEED OF INSTALLATION

There is a track system with panel to panel connections, as well as a wide range of accessories for window and door openings.



STRUCTURAL PERFORMANCE

The structural elements can be engineered to meet the structure's requirements. Ritek® wall systems allow for easy inspection of steel prior to concrete pour.



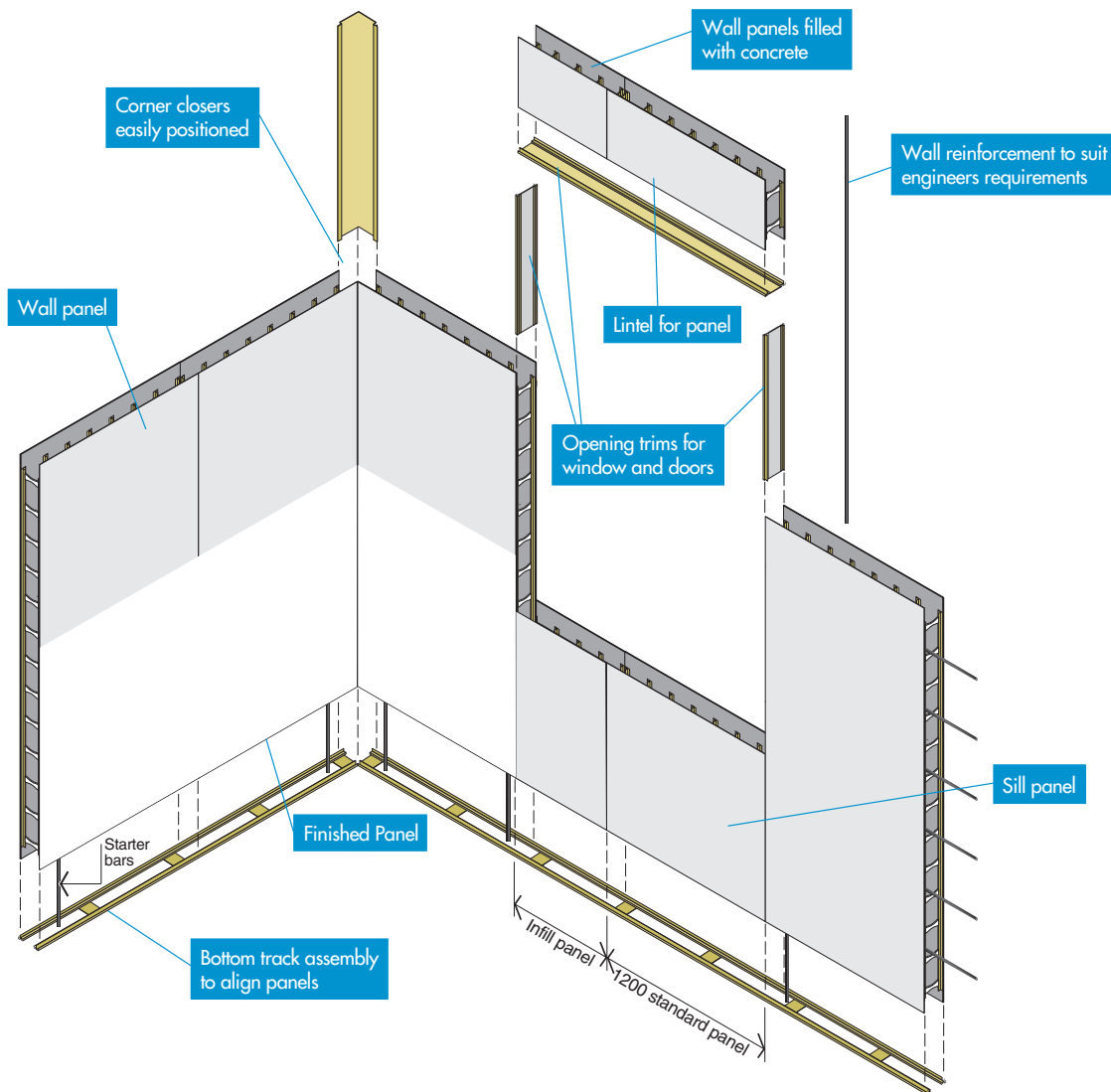
PRIOR TO POUR

Panels are stood and securely braced. The internal area of the walls allow for free flow of concrete, providing better structural, acoustic and fire ratings.



CROSS SECTION

The image shows a section through a panel which shows that the concrete has compacted and bonded around the steel reinforcing.



Ritek® Wall Systems

The **Ritek® XL** and **XL Thermal** wall systems offer an attractive, cost effective alternative to conventional masonry block, precast concrete and insitu building methods. The **Ritek®** wall systems are pre-fabricated so they are quick and easy to install with no waste on site.

Significant savings are presented to builders and developers in time, energy and project costs. The wall systems can be installed faster than conventional building methods, have a superior finish and are highly durable.

Ritek® XL Wall System
Multi-residential
Rumba Resort, Caloundra, QLD



The luxury 5-Star Rumba Resort in Caloundra was built using 13,000m² of Ritek® XL Wall System. The main structure consists of three buildings over one podium; two four storey and one five storey. Other structural elements which used the Ritek® Wall System included three levels of basement perimeter walls, lift shafts, balustrades and a suspended pool. The Lower basement was constructed 1.5 metres under the water table and was designed in conjunction with a solid core crack injection system for water tightness. The project was completed on-time and to budget.

Ritek® the smarter, faster, easier way to build

The **Ritek® XL** and **XL Thermal** wall systems are ideal for all applications. Our systems are suitable for multiple uses including residential, multi-residential, commercial and public buildings providing a high quality, durable, low maintenance and cost effective solution.

Contact us today for more information.



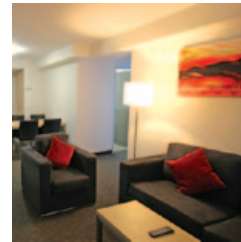
External



Lift shafts



Stairwells



Party walls



Balustrades



High traffic areas



Retaining walls



Blade walls



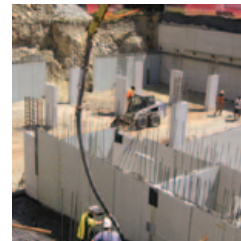
Planter boxes



Basements



Residential remote housing



Footings & boundaries



Internal

I am very pleased with the savings I made from the reduced interest (as a result of the speed of construction and being able to construct during 'the wet') which amounted to well over \$500k. The building has also been finished beautifully which is a testament to the performance of the new panel design.

Michael Milatos, Director
CENTO Builders and Developers
Project: Oasis on Woods St, Darwin CBD

p: 1300 929 782

w: www.ritek.net.au

e: enquiries@ritek.net.au

Ritek[®]
Building Solutions

V.2013.01



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out more.