Ritek® X –Plus™ Wall System – Specification Sheet

INTRODUCING THE RITEK DtS NON-COMBUSTIBLE WALL SOLUTION

Ritek® X-Plus™ Wall delivers a high-performance, deemed non-combustible, premium permanent formwork system that is composed entirely of a mix of materials either tested to AS1530.1 or deemed suitable/exempt in accordance with the National Construction Code (NCC).

Tested extensively, Ritek X-Plus includes a specialised two-part metal accessory consisting of an anodised aluminum internal spacer and a galvanised steel insert for strength, durability, corrosion resistance and fire safety. This is then locked into the edges of an aluminium stud rail that is glued to a high-quality fibre cement lining, forming a complete, premium modular panel.

As an interior and exterior wall application, Ritek X-Plus is ideal for applications where a premium finish is required. The quality sanded surface finish of Ritek X-Plus is ready for direct setting by finishing trades where a Level 4 finish is required, thus optimising internal floor space and saving time and money by eliminating the need to batten-out and plaster line internal walls.

All Ritek wall systems feature innovative James Hardie fibre cement technology for added reassurance of long-term structural strength and stability, as well as superior acoustic, thermal and fire ratings.

Our in-house drafting team creates custom shop drawings, and panels are manufactured to your architect's specifications, meaning fire doorframes can be pre-installed, and electrical services can be cast in. Ritek X-Plus is delivered to your site prefabricated ensuring a quick, easy and highly efficient install with minimal downtime.

Installation of Ritek X-Plus is as per JHS Ritek Design, Detailing and Installation Guide for Ritek XL. Accessories and installation methodology are the same for both products.

Anodized aluminium Space with Galvanised Steel Insert (Panels must be installed with the steel insert on top of the aluminium spacer)

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Wall Panel Thickness	**Concrete Core**	**Surface Density** (Core Filled)	**Typical Panel Weight**
115mm	103mm	> 220 kg/m2	20 kg/m2
135mm	123mm	> 220 kg/m2	21 kg/m2
150mm	138mm	> 220 kg/m2	23 kg/m2
165mm	153mm	> 220 kg/m2	24 kg/m2
200mm	188mm	> 220 kg/m2	26 kg/m2
Panel Components 6mm Fibre Cement Sheeting bonded to a Patented Composite Aluminium Stud with Galvanized Steel Insert to Aluminium Spacer. All aluminium components and accessories are protected by chromate coating. Aluminium Spacer is protected by anodized coating			
Internal Finish Set joints and apply a standard paint finish (Level 4)			
External Finish Set joints and apply a standard texture coating system finish			

Panels can be custom specified to increase thermal and acoustic properties. Refer to the Ritek® XL Wall® System Design and Detailing Manual for further information and fire ratings.

Meets the relevant requirements:

- **AS3600:2018** - Concrete structures
- **AS3610.1:2018** - Formwork for structures
- **Deemed non-combustible according to AS 1530.1:2005** - Fire tests on building materials
- **NCC 2019 Vol1 & Vol2** - Building Code of Australia