

Flexible Strong Fast Smart

CASE STUDY

Top Ryde Shopping Centre

Project Snapshot

Date

Under Construction

Project Name

Top Ryde Shopping Centre

Contractor

Ajax Plumbing

Products Used

SuperTite™
suspended stormwater system

Plenty of twists and turns showcase a super product in a top location.

With green compliance issues and unique bends to consider, James Hardie SuperTite™ suspended drainage system are showing how it's done at Sydney's new Top Ryde shopping development.

Retail heaven.

Due for completion in August 2010, the new Top Ryde Shopping Centre will comprise 80,000 square metres of shopping nirvana, anchored by the usual big department stores and supported by both under and above ground parking. It's a brand new town centre for this busy Sydney suburb, which is seeing the whole surrounding area transformed to incorporate a mix of new commercial, residential and civic space.

At Top Ryde, the task of installing an effective stormwater system has been met with both the usual physical confines of a public-friendly space, as well as confines of a modern nature, regarding greener building practices.

Super choice.

Drainage specialists, Ajax Plumbing were contracted to complete the job. Stuart Betts, Project Manager, has been with Ajax for 23 years, seeing many pipes come and go in that time. Here, versatility was the key when considering the various pipes required for a vast retail precinct.

SMART

SuperTite™
Suspended Drainage System



James Hardie
Concrete Pipes

"We used SuperTite™ suspended drainage system on this project because we were able to order pipes from 225mm-750mm," he says. "Alternative products in the market only produce up to 315mm."

With the Top Ryde Shopping Centre being classed as a Green Star building, limitations were placed on the amount of PVC used in construction. SuperTite™ suspended drainage system, manufactured from fibre reinforced concrete, is lightweight and strong, with no issues regarding being suspended. "It is very easy to use, considering it's a concrete pipe," says Betts.

James Hardie was involved right from the design phase, with consulting engineers Warren Smith and Partners receiving technical support for the initial pipe design. Specifically, they had to match pipe layout with the structural joints in the building. A variety of bends were then specially made by James Hardie to allow Ajax Plumbing to complete the job to their requirements.

"As well as larger diameters, SuperTite™ concrete pipes' longer lengths and wider range of fittings made them even more competitive when compared with others in the market."

Cut and run.

The strength of SuperTite™ concrete pipes is paramount. "The joints are extremely tough," says Betts. "We tried removing an already connected joint by pulling it apart with two forklifts, but it wouldn't move...it's virtually leak-proof. We used a demo saw connected to water to reduce the dust and it's like slicing through butter."

"Availability and delivery of the pipes and fittings has been good considering we have not been able to give long lead-times." Two further key considerations in any commercial project, fire safety and acoustic ratings, were met with ease.

Ultimately, it's all about the finished job – in this case, on budget and on time. And when the doors open to the shopping public in 2010, beneath the bright lights and architectural features will be a suspended stormwater system quietly and safely going about its work.

Strong. Fast. Adaptable. Smart.

Our progressive, innovative approach creates high performance, engineered solutions for above and below ground stormwater drainage applications.

Call James Hardie on the number below to find out all the benefits for your next project.

Ask James Hardie™
Call 1800 659 850
www.jameshardiepipes.com.au

James Hardie Australia Pty Ltd

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"And when it comes to cutting, SuperTite™ concrete pipes are extremely easy to cut and work with – essential in a job with lots of tight corners and bends."

Stuart Betts

Project Manager - Ajax Plumbing



James Hardie
Concrete Pipes