

Case Study - 480 Queen Street, Brisbane

USG BORAL 13MM SHEETROCK® BRAND PLASTERBOARD USED ON INTERNAL CEILINGS IN 34 LEVEL COMMERCIAL TOWER

USG Boral's patented Sheetrock® Brand Plasterboard is USG Boral's newest engineered lightweight gypsum alternative to its Standard 13mm plasterboard. Sheetrock® Brand Plasterboard is used in the plasterboard margin area and around the lift cores on all 34 floors of this iconic building in the heart of Brisbane.

Grocon, the head contractor for the project, were happy to listen to the recommendations of Northern Australian Contracting (NAC), the plasterboard contractor, as to how they could optimise the specifications provided for the project.

“The key issues for us as the head contractor when selecting materials for use on site include: safety; cost; time; speed of installation and availability of product; ease of handling/ transporting to site and while on-site; and environmental benefits of products as the project is chasing a 6 Star Greenstar as-built rating”

“USG Boral's Sheetrock® plasterboard should provide us with increased productivity due to the fact it is about 15% lighter than USG Boral's regular plasterboard. This assists in delivering the product to the various locations within the building, the time it takes to install product and the distribution of material loads in both a stored and fixed scenario.” said Grocon Assistant Project Manager, Cameron Starkey.



“This will be one of Brisbane's finest buildings. Our core values of sustainability, innovation, community and safety live in the innovative design of 480 Queen Street and will underpin the construction program.” **Daniel Grollo, CEO Grocon**

USG BORAL INNOVATION USED FOR INTERNAL CEILINGS IN 34 LEVEL TOWER

Project	480 Queen Street, Brisbane
Location	Queensland Australia
Architect	BVN Donovan Hill
Builder	Grocon
Contractor	NAC
Year	2015
Size	30,000m ²
Product	USG Boral 13mm Sheetrock®
Product Use	Internal margin ceilings and common area ceilings around the building core.

Internal Ceilings

In total approx. 30,000m² of Sheetrock® Brand Plasterboard is being supplied to the 480 Queen Street project with USG Boral staff working closely with NAC and Grocon to ensure supplies are delivered to site in a timely manner. The site is located on one of central Brisbane's busiest roads so coordination of deliveries at times that the crane can lift packs of Sheetrock® off the delivery trucks and directly up to the Preston Decks is critical to site efficiency.

"The deliveries of Sheetrock® Brand Plasterboard from USG Boral to site are tightly scheduled as we have to book crane time so that the packs can be lifted straight off the truck up to the Preston Decks on the relevant floor, then our guys unload the packs and distribute them around the floor to where the board will be installed."

"Our boys like working with USG Boral Sheetrock®. 15% lighter* doesn't sound like much but it makes a big difference when they are working overhead installing ceilings as they are on this project. When carrying the board overhead it doesn't flex as much and is generally more stable than regular 13mm plasterboard."

"We also find that the Sheetrock® board is more rigid than regular plasterboard and we have less breakages, which increases our productivity."

"Another benefit of Sheetrock® is how easily it scores and snaps in comparison to 13mm board, it is much cleaner and results in less dust and mess to clean up after cutting."



"Sheetrock® scores and snaps easily."

"What's also important to us, particularly as our contract is D and C, is that USG Boral is multi-national, it gives us comfort that they will stand by their product with warranties, on site inspections and post sales support in general."

"USG Boral have been great to deal with on this project, they have been reliable and responsive which helps us deliver our obligations according to our contract" said Managing Director of NAC, Danny Simpson.

"USG Boral is committed to delivering the industry's most innovative and advanced products to our customers. With USG Boral Sheetrock® Brand Plasterboard, we are delivering what our customers have been asking for" said Frederic de Rougemont, CEO of USG Boral Building Products.



"Our boys like working with Sheetrock® as it is 15% lighter.*"



“This product redefines the plasterboard marketplace by creating a more productive way to approach wall and ceiling board installation without compromising time or quality” said Frederic.

USG Boral’s patented technology and innovative chemistry are key to the creation of the new plasterboard product. USG Boral Sheetrock® Brand Plasterboard features Sag-Defying-Strength™ – ideal for ceilings by being fundamentally reengineered for improved sag resistance and improved strength-to-weight ratio. Sag-Defying Strength™ also helps reduce the chance of damage during handling and installation. And with a consistent core that’s easy to score and snap, this could translate to less waste and potential material cost savings.

- 15% lighter—easier to carry and install*
- A consistent core that’s easier to score and snap*
- Stronger kilogram-for-kilogram* delivers Sag-Defying Strength™
- Available in Ceiling Boards and Wall Boards
- Complies with the Building Code of Australia and relevant Australian Standards

USG Boral products are manufactured from a combination of natural gypsum, and paper liner made from 100% reclaimed and recycled paper waste. Plasterboard waste can be reclaimed and recycled into new plasterboard, or reused as soil conditioner.

*Compared to USG Boral’s standard plasterboard.

“Packs can be lifted directly from trucks up to the Preston Decks.”



“Sheetrock® has been used in the plasterboard margin area.”

For more information call **1800 226 215** Or visit usgboral.com/sheetrock

© 2015 USG BORAL. All rights reserved. The trademarks USG Boral, INNOVATION INSPIRED BY YOU and Sag-Defying-Strength are trademarks of USG Boral Building Products or one or more of its affiliates. SHEETROCK is a trademark owned by United States Gypsum Company and used under license.

This technical information is intended to provide general information on plasterboard products and should not be a substitute for professional building advice. We recommend you use a qualified person to install USG Boral plasterboard. Illustrations in this guide are only representative of USG Boral plasterboard products and the appearance and effects that may be achieved by their use. To ensure the information you are using is current, USG Boral recommends you review the latest building information available on the USG Boral website usgboral.com. The opinions expressed by the employees of Grocon and Northern Australian Contracting above are the opinions of those third parties and should not be taken to reflect the views or opinions of USG Boral.