

Case Study - LEGOLAND Discovery Centre

USG BORAL HELPS MAKE COMPLEX PLASTERING CHALLENGES CHILDSPLAY

Australia's first LEGOLAND Discovery Centre is part of Melbourne's Chadstone Shopping Centre. During construction, it was important to use high-end products that would deliver a high-end finish, in keeping with LEGOLAND's position as a premium brand.

With a footprint of 2,800 square metres, the LEGOLAND Discovery Centre cost \$12 million. It features a four-dimensional cinema, detailed LEGO brick miniature replicas of famous Melbourne landmarks and monuments, and thousands of LEGO bricks for children to make their own creations. It also includes two rides, various education programs for schools, as well as party rooms and dedicated themed play zones.

HIGH-LEVEL FINISH IN THE ROUND

The cinema needed to provide good acoustics and the design required a completely circular room – both of which presented challenges to plasterers, Greenstar Interior Solutions. Director Brendan Leane said, "The plan was that the walls would have images projected onto them, so they needed a Level 5 finish, which is the highest level. Choosing the right products was critical to being able to deliver the right result."

To achieve this high quality finish, and to meet the minimum compliance and specification requirements set by Alasdair Macdonald Architects, Greenstar Interior Solutions chose USG Boral products.



**BRENDAN LEANE, DIRECTOR,
GREENSTAR INTERIOR SOLUTIONS**

Using USG Boral products made this project go smoothly because we had technical advice at our fingertips. USG Boral met all the timelines on the project and, despite a really busy environment, we never had to wait more than half an hour for our phone calls to be returned.



Project	LEGOLAND Discovery Centre Melbourne
Location	Chadstone Shopping Centre, Victoria, Australia
Architect	Alasdair Macdonald Architects
Builder	Hutchinson Builders
Contractor	Greenstar Interior Solutions
Project Details	2,800m ² , project value \$12 million, completed 2017
USG Boral Products	USG Boral Multistop™ 3 plasterboard, SHEETROCK® Tuff-Hide™ Primer Surfer, Radar™ Climaplus™ Acoustical Ceiling Panels

USG Boral Multistop™ 3 multi performance plasterboard was used for the centre's walls and partitions. Its 13mm thickness made it ideal for these high traffic areas. Brendan Leane said, "Originally the plan was to use regular impact board but we changed it to USG Boral Multistop™ 3 because it offered extra fire, acoustic and impact properties, giving the customer more value for money and delivering more modern technology. Originally we thought the 13mm thickness would prove impossible to wrap around the circular room but the Multistop™ 3 did it with no problems. We also used two layers of Multistop™ 3 in the cinema to deliver the outstanding acoustics required in that room."

DURABLE HIGH-END FINISH SAVES EFFORT

USG Boral SHEETROCK® Tuff-Hide™ primer-surfacer was used to finish the wall of the circular projection room. Ideal for the Level 5 finish required, SHEETROCK® Tuff-Hide™ applies quickly and evenly with airless spray equipment and minimises joint banding and photographing. Its vinyl-acrylic, latex-based coating provides the durable, high-end look that was required for the LEGOLAND Discovery Centre.

Brendan Leane said, "We hadn't used Tuff-Hide™ before so the USG Boral technical manager came and helped teach the team how to use the sprayer to get the best finish. It's a different approach but it only took half an hour to learn how to do it. It was so easy, we had the process perfected 15 minutes after that. Overall the spraying process saved us a day on the project, so it's excellent value for money. Once it was on we just went over it with a soft sander and it only took half an hour to do the whole room."



BRENDAN LEANE, DIRECTOR, GREENSTAR INTERIOR SOLUTIONS

With 1,800 tradesmen on-site, it was a great atmosphere. We had very tight timelines when it came to craning 4,000 sheets of plasterboard through the roof but USG Boral made it happen.



PRODUCT VERSATILITY & EXPERT SUPPORT

Radar™ ClimaPlus™ acoustical ceiling panels were used for the suspended exposed grid ceiling in the workshop, party room, LEGO display, projection room and other areas where a suspended ceiling was installed. Designed to be mould-resistant with a non-directional pattern, these panels are also sag-resistant and warranted for 30 years.

Brendan Leane said, "Using USG Boral products made this project go smoothly because we had technical advice at our fingertips. We asked questions when we needed to, which meant we didn't make mistakes. USG Boral met all the timelines on the project and, despite a really busy environment, we never had to wait more than half an hour for our phone calls to be returned. The company provided good customer service and that response time was invaluable as we couldn't afford delays."



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