

CASE STUDY

# Royal Hobart Hospital Redevelopment

Backing the Experts<sup>™</sup>



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# Project Overview

## Royal Hobart Hospital Redevelopment

48 Liverpool Street, Hobart, Tasmania 7000

Developer	Tasmania's Department of Health and Human Services
Architect	Lyons Architects
Builder	John Holland and Fairbrother joint venture
Engineer	AECOM provided multidisciplinary engineering and consulting services

### Range of products utilised



Works	Coating of various interior and exterior substrates Green Star rated project, products applied as per Green Star specification
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## Background

The redevelopment of the Royal Hobart Hospital (RHH) in 2020 is the largest infrastructure project ever undertaken in Tasmania.

It has been transformed into a state-of-the-art trauma, teaching and referral facility following the completion of this significant redevelopment in its 207-year history.

**Specification support for Hobart Hospital was tailored to meet the customer's needs for product and colour performance.**





## The Challenge

Spanning 11 storeys and 37,000m<sup>2</sup> of new construction and approximately 4,000m<sup>2</sup> of refurbished spaces, many unique colour and surface coating specifications were required.

A key challenge of the project included the need for the hospital to remain open and functioning. As such specific lower odour products were needed to help minimise disruption on site.

Hospitals have many areas that undergo frequent cleaning such as wards and waiting rooms. Harsh cleaning agents such as chlorine agents and benzalkonium chloride are essential for facility managers where maintenance is critical to the health of the environment. Products specified must be suitable for these conditions.

**Minimising disruption to hospital operations while the construction was carried out was an important requirement.**



# The Solution

Collaboration between Dulux, specifiers and contractors was key. Various product systems were tested to inform the right specifications.

Dulux SteriGuard Ultra was specified for some of the interior surfaces. This product is specifically designed to support internal environments in clinical settings. Such environments use strict cleaning programs in order to maintain a healthy and sterile state.

Meeting both the short- and long-term needs, a number of lower odour products were selected including Duration T74, a water based 2 pack polyurethane for metal column protection. These products can be applied with minimal impact on the local air quality and importantly deliver on the performance to help maximise time to next maintenance.

While working with the Lyons architects at the onset of the design process, various Dulux technical representatives attended site during the construction phase to help modify specs where required, assist with problem solving and to support contractors during application.

## Product highlights



Dulux Professional SteriGuard Ultra



Dulux Duration T74 polyurethane



Dulux Acratex Acrashield Advanced



Intergrain UltraClear Gloss





## Project Outcomes

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### Multi surface solutions

Dulux Construction Solutions was able to provide specifications for a variety of applications: premium paints, renders, clears for timber, concrete coatings and metal protective coatings.

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### Designed for Health Care

Dulux Professional® SteriGuard® Ultra is a two part durable polyurethane that when mixed, uses Bayhydrol® Water Based Technology from Bayer MaterialScience to produce an ultra-tough, chemical resistant interior finish designed to withstand high intensity cleaning cycles in clinical environments. The low VOC, low odour formula ensures quick return to service with less disruption.

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### Consultation and collaboration

The design was fully reviewed from both an operational and construction perspective so only the most effective coatings solutions were implemented and programmed.

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### Minimal disruption

Hospital operations continued while the construction was carried out. A number of lower odour products were specified so that application work could continue on-site with minimal disruption to workers and the public near by.

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**Dulux is proud to have helped deliver this stunning transformation of a flagship hospital.**





“Dulux’s extensive range of colours was a key driver for the decision to utilise their products at the Royal Hobart Hospital.

Working with Dulux to create custom colours was an effortless process. Dulux were able to understand the project brief and produce a range of customised colour choices that supported our design philosophies and desired outcomes for this flagship hospital.

Their product knowledge and commitment to providing the best result was Dulux’s top priority, and we would work with them again in the future.”

Andim Taip – Architect, Lyons Architects

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## Customised colour

Dulux has an extensive range of >4800 colours, and in this instance the colour scheme design was enhanced by the creation of a range of customised colours that supported the architect’s design philosophy.

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## Lasting performance

Products and systems were specified to meet the durability requirement of this important development project, including withstanding clinical cleaning regimes and the impacts of external weather conditions, protecting surfaces and providing beautiful aesthetic appeal.

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# Products Specified



## Dulux Paint

**Dulux**

### Plasterboard & Ceilings

These premium products were specified to meet the various requirements for surface preparation, low odour, opacity, durability and colour.

- Dulux Prepcoat Acrylic Sealer Undercoat
- Dulux Professional SteriGuard Ultra Low Sheen
- Dulux Professional enviro2 Interior Flat
- Dulux Professional enviro2 Interior Acrylic Sealer Undercoat
- Dulux Wash&Wear Low Sheen

### Doors & Trim

- Dulux Professional Total Prep
- Dulux Professional enviro2 Interior Acrylic Sealer Undercoat
- Dulux Professional SteriGuard Water Based Enamel Semi Gloss
- Dulux Aquanamel Gloss



## Dulux Protective Coatings

**Dulux**

PROTECTIVE  
COATINGS

### Stairs, Paths & Railings

Stairs, paths and railings, require protection from foot traffic, moving equipment and abrasion, whilst also delivering an appealing aesthetic. These Protective coatings products were specified:

- Dulux Durebuild STE 2 PACK epoxy
- Dulux Quantum 221 2 Pack High Gloss
- Dulux Luxeproxy 4 White Two Pack Primer
- Dulux Duration P23 Primer
- Dulux Duration T74 Gloss



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## Dulux Acratex



### Concrete Walls

Colour range, weatherproofing, crack bridging, flexibility, dirt and mould resistance are important performance factors to consider when specifying coatings for facades.

- Dulux Acratex Tiltwash Cleaner
- Dulux Acratex Green Render Sealer
- Dulux Acratex AcraShield Advance



**Dulux Construction Solutions has the expertise and product offer to support specifiers and builders in new construction projects, maintenance programs and transformation of all types.**

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## Intergrain



### Timber Panelling

Timber adds a warm and natural element to design. Clear coatings provide the protection timber needs, whilst showcasing its beauty.

- Intergrain Ultraclear Interior Gloss



# Backing the Experts™

At Dulux, we leverage our deep expertise to support architects, interior designers, builders and engineers to design and build with confidence.

More than 100 years of experience and an unrelenting focus on quality and innovation allows us to back the experts with premium products, industry-leading service and trusted end-to-end advice.

**“We’re here to help our partners to imagine and create better places and spaces to live, work and play.”**

**Peter Wood**

Dulux Commercial Business Manager



## Quality

Our products are formulated using advanced chemistry and science to deliver highly technical construction solutions that exceed expectations.



## Transformation

Our coating solutions offer colours, patterns, textures and finishes that transform surfaces while providing long-lasting protection.



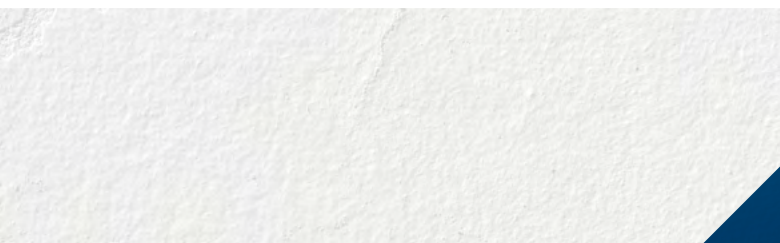
## Reliability

Our solutions offer proven and reliable performance, giving you the confidence of straightforward application and a durable finish.



## Expertise

Our responsive team provides specialist product support, technical assistance and expert problem solving when and how you need it.





# Our Brands

Dulux's brands have been trusted for generations.



## Dulux Interior and Exterior Paint

Dulux is Australia's most trusted paint brand\*. From Wash&Wear® to Professional SteriGuard®, our high-performance paints and coatings are tailored to meet the Australian market's unique needs. Dulux paints offer standout results across an extensive range of more than 4,800 colours.

\*Reader's Digest 2021



## Dulux Powder Coatings

Dulux offers a wide range of premium powder coatings in Australia and New Zealand. Our extensive range of standard and custom architectural coating solutions are backed by extensive testing that ensures exceptional product performance and durability.



## Dulux Protective Coatings

Dulux Protective Coatings offer high-performance protection for metal and concrete assets including buildings, infrastructure, facilities, plant and equipment. Our tailor-made coatings and maintenance systems ensure your assets are effectively protected, even in the most demanding conditions.



## Dulux Avista Concrete Coatings

Avista offers professional decorative concrete solutions for new and existing concrete areas. Suitable for indoor and outdoor applications, our decorative surface products add colour, texture and patterns to driveways and concrete spaces in commercial and residential projects.



## Dulux Acratex Coatings and Cladding

Dulux Acratex provides high-build facade coating systems for residential and commercial projects. Designed with the Australian built environment in mind, Dulux Acratex render coatings and external cladding solutions add style, protection and durability to diverse construction and maintenance projects.



## Fosroc Concrete Waterproofing and Repair Solutions

Fosroc delivers world-class solutions for a broad range of above or below ground construction and maintenance projects including waterproofing, concrete repair, grouts, sealants, protective coatings and industrial flooring.



## Emer

Protecting Australian buildings for over 35 years, Emer offers complete waterproofing, decorative and protective coating system solutions.



## Porter's Decorative Finishes

Porter's decorative finishes combine the latest technology with traditional methods and the finest raw materials to provide a superior finish. From modern paints to lime and cement-based products and reactive metallic finishes, our proprietary tinting system creates beautifully rich and unique colours.



## Intergrain Timber Finishes

Intergrain's timber finishes are Australia's high performance woodcare products. Our range of premium stains, varnishes, clear finishes, oils, paints and polishes are easy to apply and deliver a professional finish that preserves, protects and enhances timber's natural beauty.



## B&D Roller Doors

Since 1956, B&D has manufactured more than five million garage doors and grown into an iconic Australian brand. As respected specialists in garage door and shutter solutions, our innovative products and designs have had a profound impact on urban streetscapes worldwide.



## Admil Sealants and Adhesives

Admil have a range of sealants and adhesives for the construction market including 100% silicone sealants, Industrial grade sealants, polyurethanes and construction sealants.



## Lincoln Sentry Cabinetry and Hardware

One of Australia's leading suppliers and distributors of hardware and components to the cabinet and furniture making industry; the window, door and glazing industries and the niche industrial tape and insulation markets.



# **Dulux**<sup>®</sup>

**CONSTRUCTION  
SOLUTIONS**

**The Dulux Construction Solutions team  
are here to support you.**

Please contact us

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