

# Flinders Street Station Upgrade



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# Project Overview

## Flinders Street Station Upgrade

Flinders Street, Melbourne, Victoria 3000

|                                                                                                                                                                                                                                                                |                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Developer                                                                                                                                                                                                                                                      | City of Melbourne – Victorian Government              |
| Architect                                                                                                                                                                                                                                                      | Lovell Chen                                           |
| Builder                                                                                                                                                                                                                                                        | Built.                                                |
| Range of products utilised                                                                                                                                                                                                                                     |                                                       |
| <div></div> |                                                       |
| Works                                                                                                                                                                                                                                                          | Flinders Street Station Redevelopment and Maintenance |

## Background

An iconic Melbourne landmark, Flinders Street Station is used by more than 90,000 Victorians each day. A major revitalisation project sought to preserve the station’s historic beauty and improve functionality for current and future generations.

Flinders Street Station is one of Melbourne’s most recognisable landmarks. Located on the high-profile corner of Flinders and Swanston Streets in the central business district, the distinctive Edwardian building is at the heart of the city’s rail network.

Dulux played a crucial role in a \$100 million state-funded upgrade completed in 2020. The project was delivered in two phases: repair and restoration to the main administration building, and works to improve the passenger experience, including improved passenger routing and amenities.

Dulux’s focus was the project management and delivery of repair and restoration works to structural and external finishes. As a heritage-listed building, it was critical that these works were sympathetic to the station’s original colours and finishes. The outcome was a program of works that provided a new lease of life to this much-loved feature of the Melbourne streetscape and ensured its protection into the future.

# The Challenge

Identifying durable solutions that would reduce ongoing maintenance requirements while respecting this iconic heritage-listed building was a key project consideration.

## Maintenance and longevity

The last major refurbishment works at Flinders Street Station were more than 20 years ago. Since then, weather, birds and other environmental factors have degraded the structure, creating the need for a revitalisation project to address these impacts and ensure the building's longevity.

## Restoration requirements

Respect for heritage involves protecting objects and places that are important to the Victorian and Australian communities. Heritage projects require adherence to specific frameworks and guidance regarding the construction, maintenance and renovation of these sites.

## Heritage colour palette

The station was to be restored to its original paint colour, which was applied in the early 1900s. The project architects, Lovell Chen, provided numerous paint chips from throughout the station for the Dulux team to analyse and colour-match.

## On-site safety

The Dulux team was required to undertake 'Avetta Training: Metro Trains Melbourne third-party induction' to visit the worksite.

“The approach to the repainting of Flinders Street Station was to pursue a colour scheme which is as close to possible to the original treatment as could be determined. The colours selected may not exactly match those originally used, but should come close to their appearance. Such colours will best reflect the presentation of the building when it opened, an event of great importance to Melbourne, and reinforce its landmark status.”

Deidre – Architect, Lovell Chen

| 1980 EXISTING                                                                       |
|-------------------------------------------------------------------------------------|
| EXTERNAL PAINT COLOURS                                                              |
|  |
| 10 YR 7/6                                                                           |
|  |
| 10 GY 3/2                                                                           |
|  |
| 10 R 4/6                                                                            |

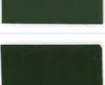


ELIZABETH ST. CLOKKTOWER (1980 EXISTING)

| 1910 PROPOSED                                                                       |
|-------------------------------------------------------------------------------------|
| EXTERNAL PAINT COLOURS                                                              |
|  |
| 10 YR 7/4                                                                           |
|  |
| 10 GY 2/2                                                                           |
|  |
| 10 R 3/6                                                                            |



ELIZABETH ST. CLOKKTOWER (1910 PROPOSED)

|      | Render                                                                                | Windows & Doors                                                                       | South Wall                                                                            |
|------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1910 |  |  |  |
| 1920 |  |  |  |
| 1930 |  |  |  |
| 1950 |  |  |  |
| 1980 |  |  |  |
| 1995 |  |  |  |





“For the current refurbishment works, Development Victoria commissioned Lovell Chen, in collaboration with The Centre for Cultural Materials at The University of Melbourne, to carry out an investigation of the external decorative treatments to the administration building. This investigation builds upon earlier research carried out by Peter Lovell in 1979 when repainting works were carried out by the then Victorian Railways.”

**Deidre** – Architect, Lovell Chen

## The Solution

Three Dulux brands worked in unison to provide a range of technical solutions for this unique refurbishment project.

### Multi-surface solutions

Dulux provided specifications for a variety of applications: premium paints, renders, clears for timber, concrete coatings and metal protective coatings.

### Custom colour creation

The colour experts at Dulux worked to ensure consistent colour matching with the original paint colours and achieved an accurate match to the colour the station was painted when it opened.

The following colours are the Dulux colours X their Munsell comparison:

- Flinders Station Cream  
– Munsell 10YR 7/4
- Flinders Station Terracotta  
– Munsell 10R 3/8
- Flinders Station Dark Green  
– Munsell 10GY 2/2

### Consultation and collaboration

The design was comprehensively reviewed from an operational and construction perspective so that only the most effective coating solutions were implemented and programmed.

### Lasting performance

Dulux products and systems were specified to meet the durability requirements of this important development project – including withstanding clinical cleaning regimes and harsh weather conditions – while protecting surfaces and providing aesthetic appeal.

# Products Specified

## Dulux Protective Coatings



### Primer utilised on new steel

MetalShield High Build ZP Primer

### 2nd and 3rd Coat utilised on new steel

Ferrodor 810

### 2nd and 3rd Coat utilised on new steel

Metalshield Premium Enamel

### New metal panels

Durebuild STE



## Dulux Acratex



**Exterior façade, existing painted finish for over sound acrylic masonry, existing painted masonry with previous moulding problem**

Acratex Acra-Shield

### Prime and seal all masonry surfaces

Acratex Acraprime Solvent Based Clear



## Dulux Paint



### Pre-existing exterior timber window frames

Weathershield Gloss

### Interior / Exterior prepcoat for enamel topcoats

Dulux Prepcoat 1 Step Oil Primer Sealer Undercoat





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 2023



## 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.



## The Dulux Property Solutions team are here to support you.

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### Photo credit

Source: Dulux Colour Awards.

Project Title: Flinders Street Station External Works

Company Name: Lovell Chen

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