

CASE STUDY

WA Museum Boola Bardip



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Project Overview

WA Museum - Boola Bardip – New Museum Heritage Buildings

Perth Cultural Centre, Perth WA 6000

Developer	Western Australia Government
Architect	Hassell
Builder	MultiPlex
Range of products utilised	
	
Works	Redevelopment of WA Museum, including four heritage buildings.

Background

Opened in 2020, the WA Museum Boola Bardip blends heritage buildings and contemporary architecture to deliver a visionary museum experience.

The new museum is an innovative and exciting place intended to become a landmark destination that contributes to the vibrancy of Perth’s Cultural Centre. It leverages the latest trends in design, sustainability, technology, accessibility and visitor engagement to create a unique museum that delights and inspires.

The new museum building is three times the size of the old museum and includes eight permanent galleries, a 1,000 square metre temporary exhibition gallery, a shop and cafe. As part of this project, four buildings were connected by new looped walkways, improving accessibility and traffic flow.

The name Boola Bardip means ‘many stories’ in Noongar language and recognises the significant role of Aboriginal people in WA’s shared cultural heritage.



The Challenge

Heritage projects require immense consideration and creative solutions to ensure the preservation and enhancement of their original beauty.

Respect for heritage

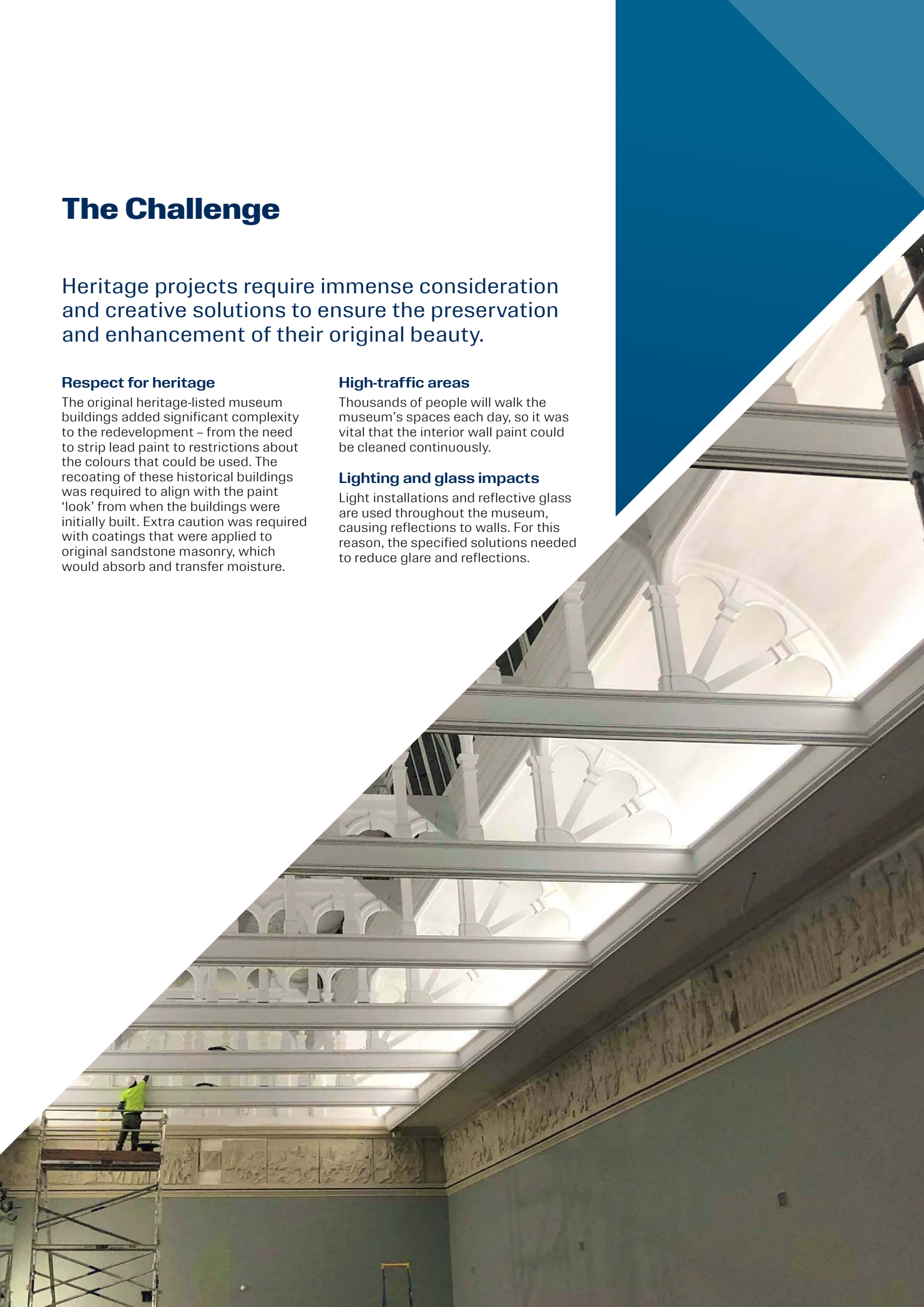
The original heritage-listed museum buildings added significant complexity to the redevelopment – from the need to strip lead paint to restrictions about the colours that could be used. The recoating of these historical buildings was required to align with the paint ‘look’ from when the buildings were initially built. Extra caution was required with coatings that were applied to original sandstone masonry, which would absorb and transfer moisture.

High-traffic areas

Thousands of people will walk the museum’s spaces each day, so it was vital that the interior wall paint could be cleaned continuously.

Lighting and glass impacts

Light installations and reflective glass are used throughout the museum, causing reflections to walls. For this reason, the specified solutions needed to reduce glare and reflections.





Project Outcomes

Finishes that were sympathetic to heritage

Porter's Paint was specified to allow moisture transfer from the historical sandstone. A coating of modern paint would not have lasted in this environment.

Lead paint removal

As the heritage buildings were initially painted with lead paint, each space within these buildings had to be stripped rather than painted over. Entire painting systems had to be applied to achieve this and deliver the desired result. Both interior and exterior areas were replaced with water-based finishes, which were rigorously tested to ensure they provided adequate protection.

Coating testing

The colour experts at Dulux conducted extensive testing of original coatings, including Dumond paint testing of every substrate in each building.

Lighting and glass impacts

Due to the harsh fluorescent museum installation lighting prevalent throughout the project, matte finishes were used on interior walls to help reduce glare and reflections.

Protection for high-traffic areas

With heavy daily foot traffic and associated knocks, scrapes and scuffs, it was vital that the interior wall paint could be cleaned consistently. Dark colours were used throughout to reduce the appearance of marks or dirt that can build over time. Dulux Wash & Wear was specified to meet these needs and provide a long-lasting, washable surface.

Products Specified

Fosroc



Below ground basement waterproofing

Primer 24
Proofex 3100 HDPE rolls

Street level waterproofing

Nitoproof Liquid Systems
Proofex 3100 HDPE rolls

Intergrain



Exterior timber doors, window frames, trims and eaves. UltraClear Exterior can also be used on the inside of exterior doors and window frames

Intergrain Ultraclear Exterior Matt

Feast Watson



On all interior timbers, including floors, furniture, cathedral ceilings and panelling

Feast Watson Tung Oil

Dulux Paint



Painted timber windows (interior and exterior)

Dulux Weathershield Matt

Painted pressed metal ceiling – galvanised steel (interior)

Dulux Wash&Wear Matt
Dulux Professional Total Prep

Painted cement render (interior)

Dulux Wash&Wear Matt
Dulux Professional Total Prep

Porter's Paint



Bare brick walls – aged uncoated substrate (interior)

Porter's Lime Wash
Porter's Undercoat Sealer

Bare Brick Walls (interior)

Porter's Mineral Silicate Primer
Porter's Mineral Paint

Cabot's



Timber doors, windows, trim and furniture

Cabot's Cabothane Clear Oil Based Gloss



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.



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Photo credit

Photography by Ian Glen