



### CUSTOMER

Australian Maritime  
Safety Authority

### SPECIFIER

McElligotts

### CONTRACTOR

Marine & Civil  
Maintenance

### SECTOR

Government, Heritage

### DATE

2019

### PRODUCTS

- Emer-Clad Facade



### THE PROJECT

Constructed in 1903, this working lighthouse received significant concrete repairs and a full repaint. Close-up views of the heritage facade are part of the visitor experience, for those who climb the 59 steps to the lighthouse balcony.

A highly protective coating solution was required to keep the upper facade looking good for years to come. Accommodating movement and weather protection were key requirements.

### THE SOLUTION

A range of Fosroc and other Dulux Construction Solutions products were used in the concrete repair and repaint executed by Marine & Civil Maintenance.

**Step 1:** All damaged concrete was broken out.

**Step 2:** All exposed steel reinforcement was primed with Fosroc Nitoprime Zinrich to actively resist corrosion.

**Step 3:** Fosroc Renderoc LA55 was used for deep section patch repairs while Fosroc Renderoc HB40 was used for vertical and overhead repairs.

**Step 4:** The Fosroc Nitofill LV injection system was used to repair cracked concrete that did not require breaking out.

**Step 5:** The balcony walkway received a Nitoprime and Nitoproof waterproofing system that delivered Class P5 slip resistance.

**Step 6:** Emer-Clad Facade was used to waterproof and protect the facade surrounding the lighthouse beacon.

**Step 7:** Dulux Protective Coatings Durebild STE and Weathermax HBR were used to repaint the entire lighthouse.

### THE BENEFITS

The Emer-Clad Facade system is a single component water based, high solids, acrylic copolymer membrane coating.

- Highly flexible - accommodates movement of pre-existing cracks of up to 1mm.
- Excellent resistance to mould and mildew.
- Excellent resistance to embrittlement.
- Excellent resistance to UV, weathering, chloride ions and carbon dioxide.
- Suitable for horizontal and vertical surfaces.
- Available in matt and satin finish in six colours. It can also be tinted to any colour.
- Can be applied to a wide range of substrates.
- One component - readily applied direct from pail.
- Low VOC level - 55.3 grams per litre.



Emer-Clad Facade was applied to waterproof and protect the upper facade.

