

BluCem HB50, HB55 & HS60UW



APPLETON DOCK WHARF, MELBOURNE

Bluey Technologies was engaged to provide solutions for structural concrete repair beneath operating platform and corrosion protection of concrete piles. The rehabilitation work involved repairing the spalling concrete on the expansive soffit and several hundred corroded concrete piles.

PROJECT COMPLETION: DECEMBER 2011

APPLICATION

WHERE WE USED BLUCEM HB50, HB55 AND HS60UW

Remediation of marine concrete piles to restore the load bearing of above water and underwater structures.

WHY WE USED BLUCEM HB50, HB55 AND HS60UW

BluCem HB50 provided rapid curing and additional protection against seawater attack in the marine environment. Pre-construction trials showed that BluCem HB50 achieved high strength of 20MPa as early as 4 hours. This allows the product for early submersion in seawater, providing corrosion protection to the structures in the early stage. BluCem HB55 provides the advantage of high build and fast application particularly for overhead applications. BluCem HS60UW exhibits excellent pumping properties and minimal washout during large volume placement and is designed for placement in tidal zones and underwater. It provides increased corrosion protection to the concrete reinforced structures.

FEATURES AND BENEFITS

BluCem HB50

- Marine grade mortar with high chloride and sulfate resistance
- Fast setting and suitable for early submersion
- High build for fast advancement of works

BluCem HB55

- Ultra high build for fast application
- High chloride resistance
- Low permeability

BluCem HS60UW

- High strength underwater grout
- Shrinkage compensated
- Long pump life with excellent anti-washout

SUMMARY

The customer benefited from the technology offered by BluCem HB50, HB55 and HS60UW grouts where the repair work was completed within expected construction timetables. The fast setting and ease of usage of the products delivered a positive outcome in the challenging working environment.





Contact Bluey

HEAD OFFICE QLD

1300 0 BLUEY | +61 7 3399 3635 | +61 428 472 976 | qld@bluey.com.au

www.bluey.com.au

NSW

1300 0 BLUEY
+61 424 848 322
nsw@bluey.com.au

VIC

1300 0 BLUEY
+61 407 242 990
vic@bluey.com.au

SA

1300 0 BLUEY
sa@bluey.com.au

WA

1300 0 BLUEY
+61 407 242 990
wa@bluey.com.au

TAS

1300 0 BLUEY
tas@bluey.com.au

ACT

1300 0 BLUEY
+61 424 848 322
act@bluey.com.au

NT

1300 0 BLUEY
+61 428 472 976
nt@bluey.com.au

NZ

+64 22 636 5801
nz@bluey.com.au

UK/EUROPE

+353 86 035 6085
bluey@bluey.ie

ASIA PACIFIC

+65 6742 4466
+65 8588 0306
sales_sg@quicseal.com

