

Application Field: Concrete Repair

Market Field: Transport and Infrastructure

SYDNEY HARBOUR BRIDGE



Requirement: The Department of Commerce, Department of Heritage and RTA required a specification for repairing spalling concrete and sealing dampness in the concrete structure of the Sydney Harbour Bridge.

Solution: Sika's proposal was successful on the first repair section since it involved Sikagard-720 EpoCem moisture barrier, which is applied before the Sika MonoTop repair systems in order to prevent ingress of moisture from the concrete to the repaired areas. Another challenge was matching the colour of the existing render on site. Sika used special pigments in the mortar, trials were made on site and the colour was matched.

Product Used:

SikaTop-110 EpoCem: bonding agent and anti-corrosive coating.

Sikagard-720 EpoCem: superfine epoxy cement sealing mortar and temporary moisture barrier.

Sika MonoTop 610: bonding mortar and corrosion protection for reinforcement.

Sika MonoTop 615HB: high build repair mortar.

Project Details

Date: June 2004	Location: Sydney, NSW
Specifier: Department of Commerce	Contractor: Delahunti Contracting
Sika Representative: Sam Toglow	Reference:

