

Sinnotec i praksis: Know-How in Action, Volume D 2, No. 1808 Concrete repair Sydney Opera House

Innovative silicate mortar with excellent adhesion and corrosion protection to steel reinforced concrete parts: with excellent resistance against acid cleaner and salt water.

CUSTOMER: Architect Utzon, Sydney, Australia

APPLICATION DATE: March 2011

APPLICATION SITUATION

The roof is covered with white tiles, which have to be cleaned with acid cleaner. The basement is not protected concrete.

Sydney Opera under construction



PROBLEM

Corrosion protection on steel reinforced concrete to protect the concrete surface from acid cleaner and salt water.

Substrate before renovation



PRODUCT

Sinnodur Waterproofing
Sinnodur Concrete W3-Plus

Surface after renovation



SUBSTRATE

Steel reinforced concrete precast elements

Sydney Opera total view



APPLICATION METHOD

The surface was cleaned by sand blasting and vacuum cleaner. The application was manually by trowel. Finally the surface was treated with hydrophobic impregnation for easy to clean characteristics and mechanical reinforcement.

SINNOTEC FACTS

We could perfectly protect the concrete surface from further corrosion, especially by acid attack and salt water.