

CHOCKFAST® ORANGE SOLUTION RESOLVES FOUNDATION CORROSION ISSUE FOR SPORTS STADIUM

SPORTSHUB STADIUM ROOF- SINGAPORE

Goltens was approached to propose a solution to an alignment and corrosion issue affecting the rooftop towing winches at the Sportshub Stadium which was under construction in Singapore. The new stadium's sliding rooftop's 16 winches had alignment issues due to gaps caused by corrosion in the winch foundations.

As the authorized distributor and certified installation partner for ITW Polymer Technologies' Chockfast® products, Goltens proposed a foundation chocking solution utilizing the Chockfast® Orange resin.

Goltens' ITW certified engineers evaluated the requirements, calculated the grouting requirements and mobilized the required installation and safety equipment to completed the job high above the stadium floor.

CHOCKFAST® ORANGE PROJECT SCOPE:

- Cleaned winch foundation surface of all dirt, rust and corrosion
- Prepared and pre-conditioned the Chockfast® Orange PR 610 TCF epoxy resin prior to installation.
- Mixed the Chockfast® Orange compound according to the manufacturer's specifications and poured an average of four sets of Chockfast® Orange for each of the 16 units.
- Application of a cosmetic surface layer after 24 hours of curing/hardening.
- Grinding of the grout surface to a fine finish after grout had fully hardened.

CHOCKFAST® ORANGE GROUTING RESULTS:

The application of the grouting completely resolved the corrosion and alignment issues with the rooftop winches in a single installation process.

The winch was aligned according to specifications and operationally tested without issues.

PROJECT FACTS: SPORTSHUB STADIUM

Customer:	Draggages Singapore Pte Ltd
Project:	Rooftop Towing Winch Foundations
Application date:	April 2014
Substrate:	Carbon Steel
Products:	Chockfast Orange® PR 610 TCF



Location of winches high above stadium floor



Filling in gaps on the winch footings



Specialist performs final inspection of foundation