



West Suffolk Hospital RAAC Panel Corrosion Management

West Suffolk Hospital was constructed in 1972 as a part of the governments 'Best Buy' program. The hospital's structural walls panels and roof planks were constructed from RAAC, considered to be a state-of-the-art material at that the time.

Location Bury St Edmunds, UK	Client West Suffolk Hospital Trust
Completed August 2023	Structure Building



The Problem Identified

Evidence of corrosion was apparent in the structural wall panels and CPT were brought in to investigate the issue.

Current surveying methodologies proved to be inadequate, and there was no corrosion protection solution on the market fit for use in RAAC.



The Solution Developed

A brand-new scanning methodology was developed alongside an innovative product range, RAAC-Guard™.

RAAC-Guard™ Strip anodes were installed into each wall panel and surface applied RAAC-Guard™ SA anodes were trialled for internal use.



The Benefits Provided

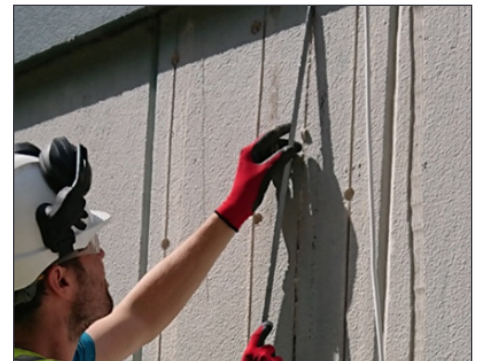
Following in-depth investigation work at West Suffolk Hospital the corrosion issues of RAAC from the 1960s and 1970s are better understood.

A bespoke RAAC solution has been developed, trialled, and installed into thousands of elements. RAAC-Guard™ realises the environment around the reinforcement steel within 1 week followed by responsive galvanic corrosion protection which is on-going and monitored.

This project won the 2023 Corrosion Prevention Association Project of the Year.



Example of corrosion in RAAC



On-site installation of RAAC-Guard™ Strip

CPT Products Used



RAAC-Guard™ Strip Anodes



RAAC-Guard™ SA Anodes



DuoCrete P Mortar™

