



Project: Devonport Towers, Plymouth

Client: Plymouth Community Homes

Investigative survey of cladding panels

Main Contractor: Mi-Space

Date: April 2018

The Problem

Following the 2017 Grenfell Tower disaster, the inquest identified that the cladding used was combustible and it was recommended all other high rise buildings (18m & over) check the cladding and remove and replace where necessary.

3 Towers blocks in Devonport were identified as having this substandard cladding. Before the design works for the renewal/replacement cladding could be started it was necessary to confirm the existing fixing methods and condition of the concrete frame. SWCR were employed to carry out the investigative survey works.

The Solution

It was works agreed with the engineer to remove some existing panels, remove two or more courses of brickwork built over protruding section of concrete floor. Visual inspect the panel fixing details, brickwork arrangement and inspect the concrete edge and beam face to identify defective areas. We then carried out pull off test, carbonation depth test, chloride ion tests, acoustic hammer tests and a cover metre survey. Any areas disturbed through the testing were made good using Intercrete (Flexcrete) Steel reinforcement Protector 841, Bonding Bridge 842 and Monomix.



© South West Concrete Repairs Ltd | Registered in England & Wales No. 3431115

Unit 17, Reynolds Park
8 Bell Close
Newnham Industrial Estate
Plymouth
PL7 4FE

E sales@swconcreterepairs.co.uk
W www.swconcreterepairs.co.uk
T 01752 561300
F 01752 605900