



## GLS COATINGS CASE STUDY ASBESTOS ROOF ENCAPSULATION AT STORAGE KING, LIVERPOOL

### Asbestos Roof Encapsulation

PROJECT LOCATION:	Liverpool
PROJECT SIZE:	7530 m <sup>2</sup>
SUBSTRATE:	Asbestos Corrugated Cement Sheets
SYSTEM USED	PU Foam and Top Coat

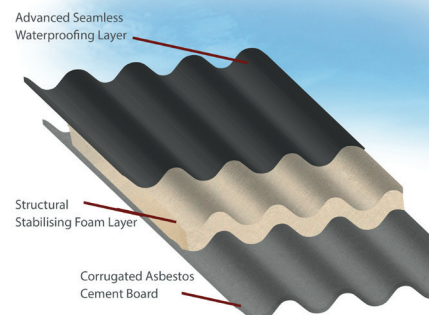
#### Technical situation

GLS Coatings were contacted by Fenwell Estates Ltd. to apply our asbestos roof encapsulation waterproofing system to seal their leaking asbestos roof.

Access to the building was needed on a 24 hours a day. GLS Coatings offered a solution which allowed customers full access to the site, while fully complying with the Control of Asbestos Regulations 2012.

Water was getting into the building through the rusting bolts holding the asbestos sheets in place. This also allowed small movement of the asbestos, causing cracks.

GLS Coatings' Two-stage Asbestos Roof Encapsulation System ensured the roof was stabilised and that all cracks were sealed without the need for mechanical intervention or disturbance to the asbestos.



#### Solution

##### 1. Preparation of substrates.

Once on site, we utilised our fully guarded rolling work platform, mounted on twin tracks to enable us to safely move up and down the roof. The mobile platform is designed to overcome the challenges with working on fragile roofs, and also provided us with a safe working position.

GLS Coatings prepared the existing surface by applying an environmentally Biocide spray using a low-powered hand-pump to kill the moss and algae.

Once treated, our UKATA Category B Accredited Technicians hand picked off the moss placed it in legally compliant double-bagged Asbestos bags.

This waste was transported to an Approved Hazardous Waste Disposal site by our Hazardous Waste Contractors.



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GLS Coatings' spray-applied seamless roof repair coatings are TOUCH-DRY in UNDER 10 SECONDS and can be walked on IMMEDIATELY!



Easi-Dec Roof System



Structural Stabillising Foam Layer



Complete Asbestos roof Encapsulation

## 2. Applying the Structural Stabilising Layer to the Asbestos Roof.

High-density foam was spray-applied under high pressure at 4kg per m<sup>2</sup> to a depth of 25mm. This structural stabilising layer also improved the building's thermal properties.

The foam filled all of the small voids and cracks, before expanding and setting to form a lightweight layer that sealed the whole roof.

## 3. GLS Coatings applied a seamless fully bonding liquid coating to a depth of 2-3mm over the entire roof to form an impenetrable, joint free and seamless barrier.

The spray-applied coating instantly sealed the leaking roof producing an extremely flexible water barrier, with up to 300% elongation that expands and contracts with the natural movement of the building.

The coating was touch-dry within 10 seconds of application, as work continued in Storage King, safely below.

## 4. All data was recorded digitally on iPad Reporting Forms, for sign-off by the client.

GLS Coatings' seamless waterproofing roof coating systems will significantly extend the lifespan of your leaking roof without the expense of a complete re-roof.



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