



Freman College, Hertfordshire

Bowling Green Lane, Buntingford

Information

Tor Coating system used:

 **Elastaseal Z**

Category

Roofing

Sector

Education

Guarantee

20 years

Coverage area

6000m²

Background

The Freman College is a coeducational upper school and sixth form for 13 to 18-year-olds, located in the Buntingford area of Hertfordshire.

1

Free Site Survey

Before the correct coating system could be specified, Tor Coatings carried out a comprehensive free survey of the site to ensure every aspect of the project was clearly understood and all defects were documented thoroughly. The college has a number of buildings with roofs in poor condition. The original mineral felt membrane had become inadequate and no longer fit for purpose. There were a number of factors which also added to the poor condition of the school's roofs, including ineffective drainage - the water outlets were too narrow, meaning water was left to sit on top of the old, damaged felt, causing further deterioration.

2

Project Specification

The college found the perfect long term solution to these issues in the form of Elastaseal Warm Roof System from Tor Coatings, which could be applied and completed while causing no disruption to the pupils and staff of the Freman College.

3

Installation

The project was carried out by Capitol Roofing with site support from the Tor sales and technical service team. The roof was cleaned and prepared before the thermal insulation was affixed to the roof to reduce heat loss and increase the roof's thermal efficiency. The cold-liquid roof coating system was then applied to all areas of the roof, including sealing abutments, protrusions, vents and roof lights, to provide an overall waterproof membrane. Elastaseal Z is compatible with almost all other sound roofing materials so there was no need to strip out the existing roofing membrane; just two top coats of Elastaseal Z were applied to complete the system and prevent roof leaks for up to 25 years.

4

Continued Support

In addition to the comfort of having a 25 year BBA accreditation, the project is covered by Tor's comprehensive 25-year single point warranty. During this period, we will carry out regular scheduled inspections to ensure that the performance is delivered for the client.

For every building surface inside and out, we've got it covered.



Before



After

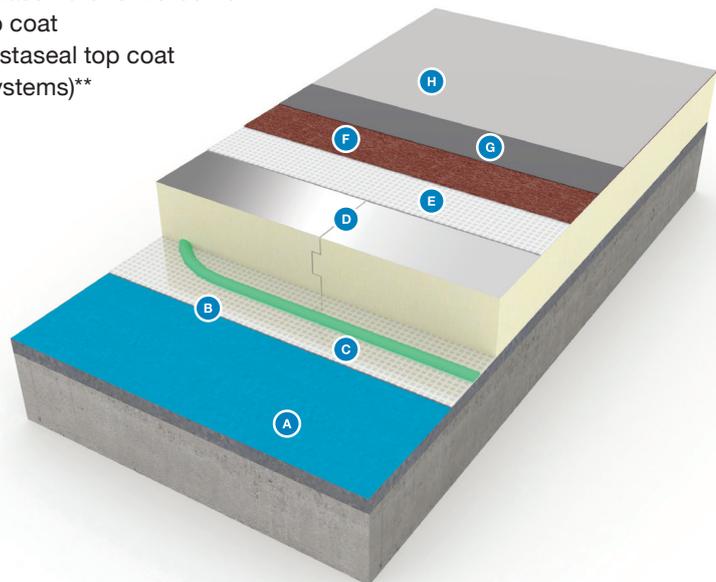
Elastaseal Z

Key benefits:

- Cost effective
- Ideal roof refurbishment solution
- Improves thermal efficiency - reduces energy bills
- Relatively low weight loadings
- Provides all of the benefits of the Elastaseal system
- Tapered option improves drainage of rainwater
- Minimal disruption to building occupants during installation
- Systems up to 25 year life available
- Elastaseal Z low odour option (up to 30 year systems)
- The Elastaseal Z 20 & 25 systems require less coats and hence save time and money on site

Typical build-up of the Elastaseal warm roof system

- A** Prepared existing roof substrate
- B** Torvap Vapour control layer*
- C** Elastaseal FIA (foaming insulation adhesive)
- D** Tortherm™ Tongue & Groove Thermal insulation panel
- E** Torvap Carrier membrane
- F** Elastaseal embedment coat with Elastamat™ glass fibre reinforcement
- G** Elastaseal top coat
- H** Additional Elastaseal top coat (for 30 year systems)**



* If required - dependent on existing roof condition

** Elastaseal Z system is fully interchangeable here providing a low odour warm roof system.

For more information and further case studies please visit www.tor-coatings.com

To speak to a member of the sales team call 0191 4106611 or email marketing@tor-coatings.com