

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



Unity Academy, Blackpool

203 Warbreck Hill Rd, Blackpool

Information

Tor Coating system used:

 **Elastaseal Z**

Category

Roofing

Sector

Education

Guarantee

25 years

Coverage area

2,700m²

Background

Unity Academy, Blackpool is a vibrant coeducational school with academy status. The school's facilities have recently been transformed, resulting in an outstanding 21st Century learning environment for pupils and staff.

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 school was originally constructed in the 1970s and has undergone various upgrades to increase the thermal efficiency of the buildings. However, the roof itself had been untouched and the original mineral felt membrane was now inadequate for the building.

2

Project Specification

The Academy found the perfect long term solution to this issue in the form of Elastaseal Z from Tor Coatings, which was applied and completed while causing no disruption to the pupils and staff of the Unity Academy.

3

Installation

Firstly, 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 could then be applied to all areas of the roof and used to seal abutments, such as numerous roof lights and other protrusions; providing an overall waterproof membrane that could not be achieved with any other method. The Elastaseal Z coating system is compatible with almost all other sound roofing materials so there was no need to strip out the existing roofing membrane. Importantly, the coating could be applied and completed while the building remained fully operational to the pupils and staff of Unity Academy.

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.

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Before



After

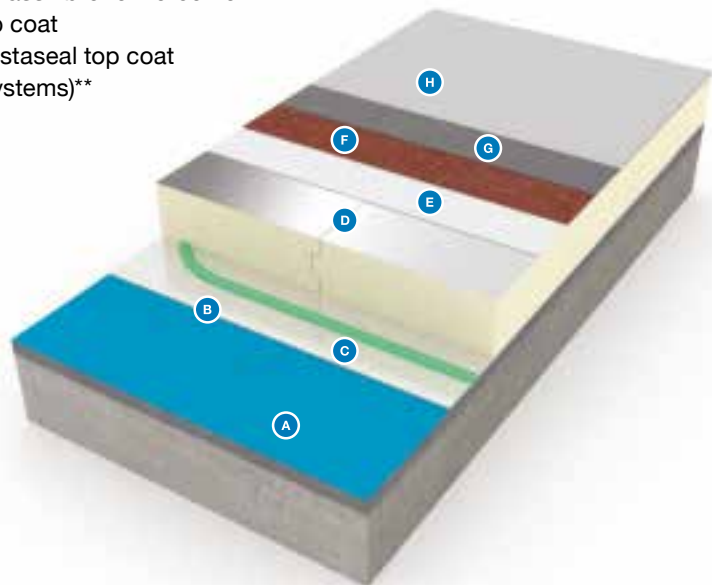
Elastaseal Z

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 Z 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 Z 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 project profiles please visit www.tor-coatings.com
To speak to a member of the sales team call 0191 4106611 or email marketing@tor-coatings.com