

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



# Blue Cross, Malvern

81-83 Barnards Green Road, Barnards Green,  
Malvern, Worcestershire WR14 3NB

## Information

Tor Coating system used:



Category

**Roofing**

Sector

**Retail**

Guarantee

**25 years**

Coverage area

**300m<sup>2</sup>**

## Background

The existing felt waterproofing had reached the end of its useful life and leaks were being reported. One area of the roof deck had sagged dramatically. The client wanted to waterproof the roof, but also wanted to improve the U-values of the building so were looking to install a warm roof system. With various different levels this project really needed a liquid system to provide a completely seamless waterproofing system which could be continuously installed.

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.

2

### Project Specification

Tor Partner Contractor G I Sykes put forward the Tor Warm Roof System, which the client approved. A site survey was carried out and a specification produced for the Elastaseal Z Warm Roof system, utilising 120mm PIR insulation boards to ensure current building regulations were met.

3

### Installation

Installation was carried out by G I Sykes. The sagged roof area was stripped back and repaired to provide a sound substrate. The rest of the roof was thoroughly jet washed and cleaned with Torstrip WDA10 Wash Down Agent, any necessary felt repairs were carried out. TorVap Self Adhesive VCL/CM was installed onto the cleaned felt to provide a vapour control layer. 120mm insulation boards were glued into place using Tor Bulk Foaming Insulation Adhesive. The boards were primed with Tor Bitumen Primer prior to TorVap Self Adhesive VLC/CM was installed as a carrier membrane, then Elastaseal Z waterproofing system was installed.

4

### Continued Support

The building now has a seamless waterproofing system and meets the Building Regulations requirements of 0.18 u-value due to the use of the Warm Roof system. A 25 Year Single Point Warranty and a free of charge IBC policy has been issued for the roof. An inspection will be carried out at 12 months, then inspections will be carried out every 5 years after that. These dates will be input into our Data Base to ensure that we can liaise with the client regarding the inspections.

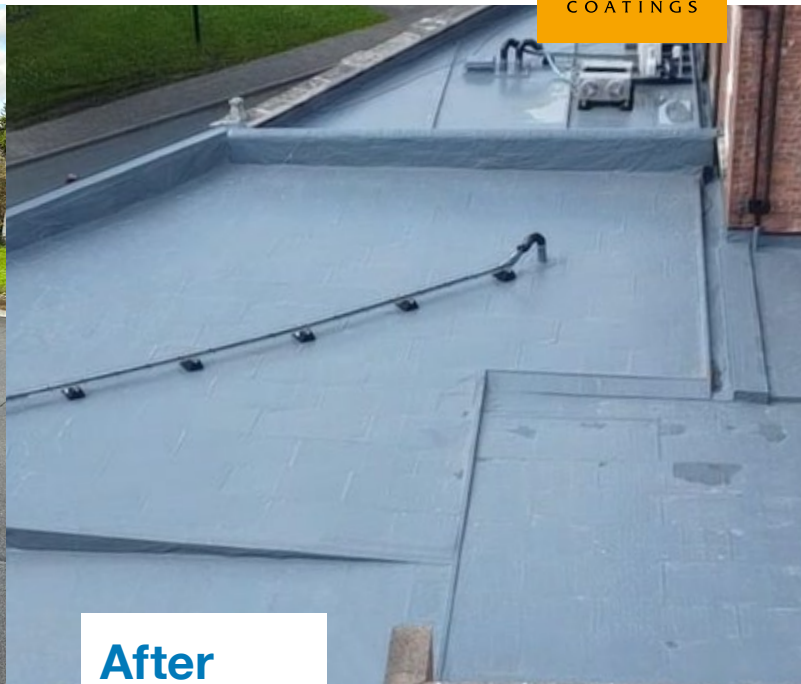
For more information and further case studies please visit [www.tor-coatings.com](http://www.tor-coatings.com)

To speak to a member of the sales team call 0191 4106611 or email [marketing@tor-coatings.com](mailto:marketing@tor-coatings.com)

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Before



After

## Elastaseal Z

### Key benefits:

- Cold liquid applied - no hot works on roof
- Safe to install - unobtrusive repairs
- Easy to apply and detail
- Compatible with most existing roof membranes
- No need to remove serviceable existing membranes, minimising landfill waste and building remains protected during installation.
- 10, 15, 20 and 25 year systems available
- Elastaseal Z low odour option (up to 30 year systems)
- British Board of Agrément (BBA) approved
- Permanently elastomeric and seamless
- Excellent resistance to ponded water
- Fibre reinforced for maximum film strength
- Easy to maintain - excellent through life costings as system can be re-applied at end of serviceable life

### Typical build-up of the Elastaseal Z system

- A** Prepared existing roof substrate
- B** Elastaseal Z embedment coat with Elastamat™ glass fibre reinforcement
- C** Elastaseal Z top coat
- D** Additional Elastaseal Z top coat (for 30 year systems)

