



Temperate House, Kew Gardens

Kew Gardens, Richmond Upon Thames, London

Information

Tor Coating system used:

 **Elastaseal Z**

Category

Roofing

Sector

Attraction

Guarantee

20 years

Coverage area

1200m²



Background

The spectacular Grade I-listed Temperate House in London's Kew Garden is the largest Victorian glasshouse in the world. It first opened in 1863 and is home to over 10,000 plants, including some of the rarest species found in temperate regions around the world. The Temperate House attracts over one million visitors annually.

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

The seamless Elastaseal Z coating system was specified for Temperate House. Around 35% of the guttering had to be taken from the site to a shot blasting facility, where existing layers of paint were removed to leave a bare metal surface before the system could be applied. Based on a high solids formula, with built-in fibreglass reinforcement, Elastaseal Z delivers incredible tensile strength and resistance to water. It includes proprietary components, to encapsulate bolt heads and bridge joints, that ensure a seamless waterproof finish.

3

Installation

The project was carried out by FJM with site support from the Tor sales and technical service team. The Temperate House was closed to the public for a five-year refurbishment, during which time it was shrouded in an enormous protective tent large enough to cover three Boeing 747 planes.

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. The Temperate House was re-opened by the famous English broadcaster and naturalist Sir David Attenborough on May 3rd 2018. Tor Coatings were awarded Liquid Roofing Project of the Year over 1000m² at the LWRA Awards 2018 in recognition of the work on Temperate House.

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



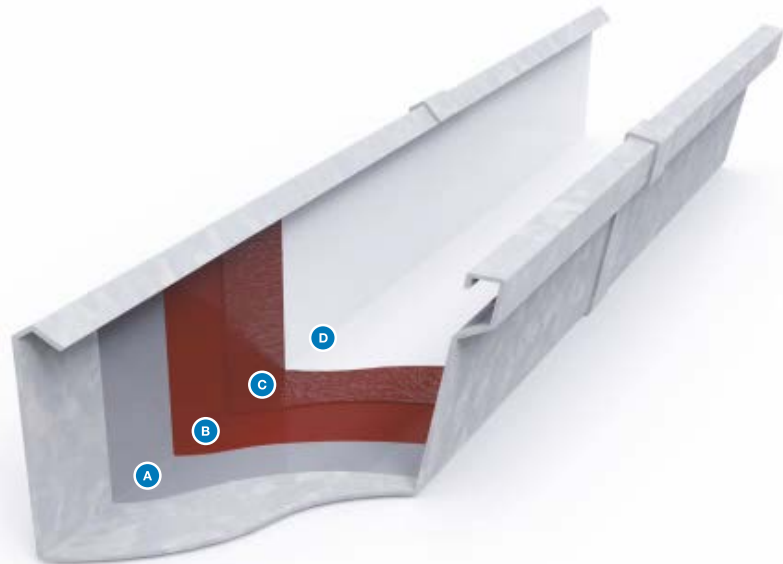
Elastaseal Z

Key benefits:

- Seamless membrane ensures no leaks
- Tough, flexible system
- Anti - corrosion primer protects the substrate
- System can be upgraded in the future to extend the life

Typical build-up of an Elastaseal gutter system

- A** Primer
- B** Elastaseal Embedment coat
- C** Elastamat™ reinforcement*
- D** Elastaseal top coat(s)



* Applied into the wet embedment coat

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