

HOWDEN HOUSE

1 Union St, Sheffield City Centre, Sheffield S1 2SH

INFORMATION

TOR coating system used:

ELASTASEAL Z
UNICOVER S

Category:

**Roofing &
Guttering**

Sector:

Council

Guarantee:

15 Years

Coverage Area:

2500m

BACKGROUND

In Sheffield's busy city centre, Howden House serves as the first point of contact for all council services. The well-used facility has suffered leaks and water ingress from multiple locations. A full roof refurbishment was required as the first phase of a larger programme of internal renovation work. As a busy city centre building, careful planning was needed.

1

FREE SITE SURVEY

Tor Coatings carried out a comprehensive survey of the site - a profiled metal roof with a secret fix design. Widespread delamination of the existing coating was discovered across the roof sheets, with layers separating to expose areas of metal substrate.

Snap caps along the roof's side laps were found to be a primary weakness, allowing water to penetrate the sheets and gutter stop ends were found to be damaged.

2

PROJECT SPECIFICATION

To ensure a long-lasting and reliable solution that would keep the facility safe, dry and running smoothly for years to come. The agreed remedial specification included Elastaseal Z to encapsulate all side laps and address the weakness identified in this area. This was followed by the application of two full coats of Uncover Ultra to provide a seamless, waterproof finish across the entire 2,500-metre roof area. The gutter system was also included in the scope of works. All gutters were thoroughly cleaned and prepared before being treated with the Elastaseal Z15 Waterproofing System to ensure long-term watertight integrity.

3

INSTALLATION

Space was limited by rooftop plant machinery and equipment, creating challenges for access, cleaning and installation.

Specialist machinery was sourced to safely and effectively clean and prep the roof. The confined conditions presented challenges during application, particularly when sealing the side laps with the Elastaseal Z system.

Despite this, operatives completed the works in carefully planned stages to ensure full encapsulation of all side laps. Once detailing was completed, the entire roof was coated with Uncover Ultra.

4

CONTINUED SUPPORT

Providing a durable, watertight, and aesthetically improved roof surface, excellent performance under challenging working conditions. Uncover Ultra provides seamless, long-term protection against leaks with a 15 year guarantee, allowing Howden House to provide vital support to the community for years to come. We will also be carrying out annual inspections to ensure that the roof maintains the best waterproof performance.

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



DURING



AFTER

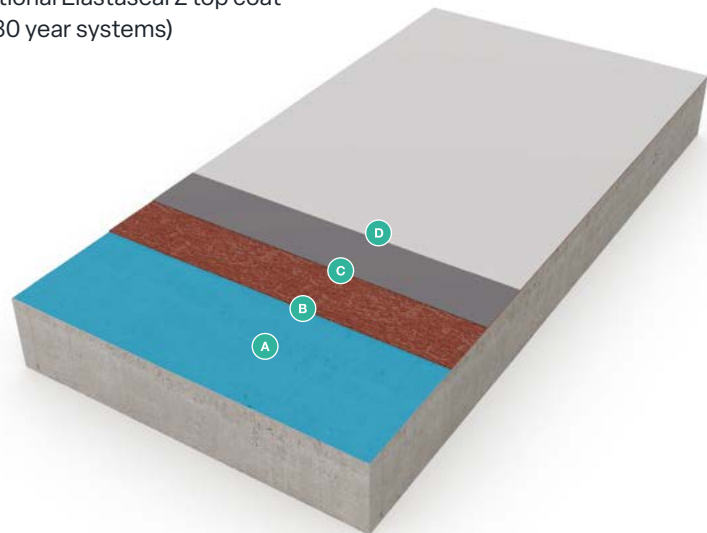
ELASTASEAL Z

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)



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