



ASTRA ZENECA GAWSWORTH BUILDING

Gawsworth Building, Alderley House, Astrazeneca, Macclesfield, Stockport, SK10 2NA

INFORMATION

TOR coating system used:

ELASTASEAL Z

Category:

Roofing

Sector:

Light Industry

Guarantee:

15 Years

Coverage Area:

500m²

BACKGROUND

The roofs at AstraZeneca, Macclesfield, have reached the end of their recommended service life. As part of an ongoing refurbishment programme, all roof areas are being upgraded to comply with current building regulations and to ensure the buildings remain protected for an extended period. The roof at the Gawsworth Building featured a single-ply membrane with areas of splitting and delamination. To address these issues and restore the roof's integrity, the proposed solution was an overcoat using the Elastaseal Z 20 system.

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 hybrid roof structure, incorporating a balcony area and sloping areas, presented complexities regarding drainage. To address this we developed a new tapered insulation scheme to facilitate effective water runoff. Elastaseal Z was specified for the new waterproofing solution, its ease of application and low-odour minimised disruption to residents during installation.

3

INSTALLATION

Wash down the entire roof area with Tor WDA10 to remove dirt, grease, and surface contaminants, ensuring a clean substrate for coating. Inspect the roof thoroughly for areas of splitting, delamination, or other defects, and carry out any necessary remedial repairs. Prepare and repair all identified defects to create a sound and stable surface for coating. Apply an appropriate primer to any exposed or repaired areas as required by the manufacturer. Install the Elastaseal Z 20 system across the roof area, following the manufacturer's application guidelines. Ensure seamless detailing around roof penetrations, upstands, and edges to create a fully watertight finish. Carry out a final inspection upon completion to confirm full coverage, correct detailing, and overall integrity of the waterproofing system.

4

CONTINUED SUPPORT

The system will be backed up with a 20 year guarantee.

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



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)

