

CASE STUDY: GRUNDON WASTE RECYCLING FACILITY

SUPPLYING MAPRESS TO GRUNDON WASTE RECYCLING FACILITY

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PROJECT OVERVIEW

Grundon Waste Recycling Facility is a 20,000 sq. m waste facility that serves businesses in Banbury and the surrounding areas of North Oxfordshire, Northamptonshire and Bedfordshire.

The new £7 million development, which works to reduce the financial and environmental impact of its customers waste, consists of a waste transfer building and a material recovery facility. Taking less than a year to construct, the site now accepts commercial and industrial waste, in addition to domestic waste and recyclables from Cherwell District Council.

Following design consultation and fire test witness at an accredited fire laboratory in Scandinavia, Fire Shield Systems solution was selected to provide the facilities fire protection. Fire Shield Systems utilised Geberit Mapress Stainless Steel pipework to form part of the facility's unobtrusive water Spray Deluge system. In the event of a fire, water will flow into the pipework from an external holding tank and be discharged internally to the recycling plant storage bunkers once operated by the automatic fire detection system.

WHY GEBERIT?

Part of Fire Shields fire protection plan was to utilise an efficient and cost effective firefighting pipework mechanism that met and adhered to the AHJ guidelines. As a result, Geberit Mapress was selected due to its state-of-the-art, high-quality and economical connection technology.

In particular, the client was looking for a non-disruptive installation method with reduced fire risk and dependable safety features. Mapress provided the perfect solution, requiring no hot works, no cooling down period and a cleaner installation process. This reduced both downtime and fire risk compared to traditional soldered and welded fittings.

Importantly, a pressing jaw with jaw guide helped prevent any risk of the joint slipping or being pressed in the wrong place, offering an extra layer of security, and ensuring a reliable and durable connection throughout. Also, the system offers peace of mind during and post installation, with any non-pressed connections easily visible during testing.

The seamless integration of the Stainless Steel pipework within the wider Fire Protection system also proved an important factor. The straightforward, simple connection technology means installers are required to simply cut to length, deburr, mount the fitting and press.



→ Project information

Location: Banbury, England

Contractor: Fire Shield Systems

Project Completion: TBC

→ Geberit Know-How

Problem: A reliable pipework solution adhering to AHJ guidelines

Solution: Geberit Mapress stainless steel

"Importantly, we have a great relationship with Geberit. We know that the Geberit team are always on hand to provide excellent service and give first-class technical support to resolve any issues we might have."

Russell Bonnett
Technical Director

DELIVERING THE SOLUTION

Press fitting is proving a viable option when improving the safety of buildings, particularly when minimal disruption is a requirement. Mapress was therefore the ideal specification for the project, since it was delivered quickly, reliably and easily.

Russell Bonnett Technical Director at Fire Shield Systems Ltd said: "Mapress ticked all the boxes in terms of speed, ease-of-install, reliability and relevant Third Party Certification – not to mention the reduced maintenance costs of higher quality Stainless Steel, which is more resistant to corrosion."