



SIKA AT WORK

BEVERLEY GRAMMAR SCHOOL, YORKSHIRE

REFURBISHMENT: Sika® Ferrogard-903+ and Sika® MonoTop®

BUILDING TRUST



BEVERLEY GRAMMAR SCHOOL YORKSHIRE



Example of Sika® Ferrogard® being installed

SIKA CONCRETE REPAIRS HIT THE MARK AT GRAMMAR SCHOOL

Faced with concrete deterioration, the exterior fabric of a school in Yorkshire was in need of a proven and reliable method of refurbishment. To ensure the future structural integrity of the school, Mansell Concrete Repairs specified a concrete repair system from global building product manufacturer, Sika.

The oldest state school in England having been founded in 700AD, Beverley Grammar School in the East Riding of Yorkshire had suffered from years of neglect with several buildings that were built in the 1960's suffering from concrete spalling. With the intention of repairing and protecting, the Sika specification included high performance mortars and a corrosion management system.

To meet the requirements of EN 1504: the European Standard for the protection and repair of reinforced concrete, Mansell Concrete Repairs specified the proven Sika concrete repair system, comprising [Sika® MonoTop®](#) and [Sika® Ferrogard®-903](#). These systems have an impressive track record which goes back more than 15 years, and conform to the performance requirements of the more recent EN standards, demonstrating Sika's historical commitment to providing long term technically correct construction solutions.

Mansell Concrete Repairs applied [Sika® MonoTop®](#) – a cementitious two-component system which consists of polymer modified mortars – to make primary repairs to the damaged concrete and lintels around the windows. Containing silica fume, a highly reactive pozzolan, it is applied “wet-on-wet” to ensure no degradation of the concrete or the structural steel beneath. With a good resistance to water and chloride penetration, it will help to protect the building's concrete exterior from future damage.



Example of Sika® MonoTop® being installed

[Sika® Ferrogard®-903](#) was then spray-applied to the refurbished external elements. Easy to apply and cost-effective, [Sika® Ferrogard®-903](#) inhibits corrosion by delaying its start and dramatically slowing its rate, extending the maintenance and service life cycle of reinforced concrete. The surface applied system penetrates the concrete to provide a protective layer around steel reinforcement whilst maintaining the aesthetic of the structure.

Sika's concrete repair and protection solutions are designed to rehabilitate and restore concrete surfaces back to their original quality. Concrete repair mortars, anti-corrosion coatings, corrosion inhibitors, reinforcement corrosion protectors and the full Sika® Galvashield® range of embedded galvanic anodes make up the extensive range that Sika offers. Suitable for a wide range of concrete repair applications from bridges to social housing, car parks to commercial buildings, all of these products are backed up by a highly experienced technical team who offer expert specification advice and support.

The specification of the comprehensive Sika concrete repair system proved the ideal solution at Beverley Grammar School, delivering exceptional reliability, ease of application and an attractive finish.

For further information call 0800 112 3863.