



SIKA AT WORK

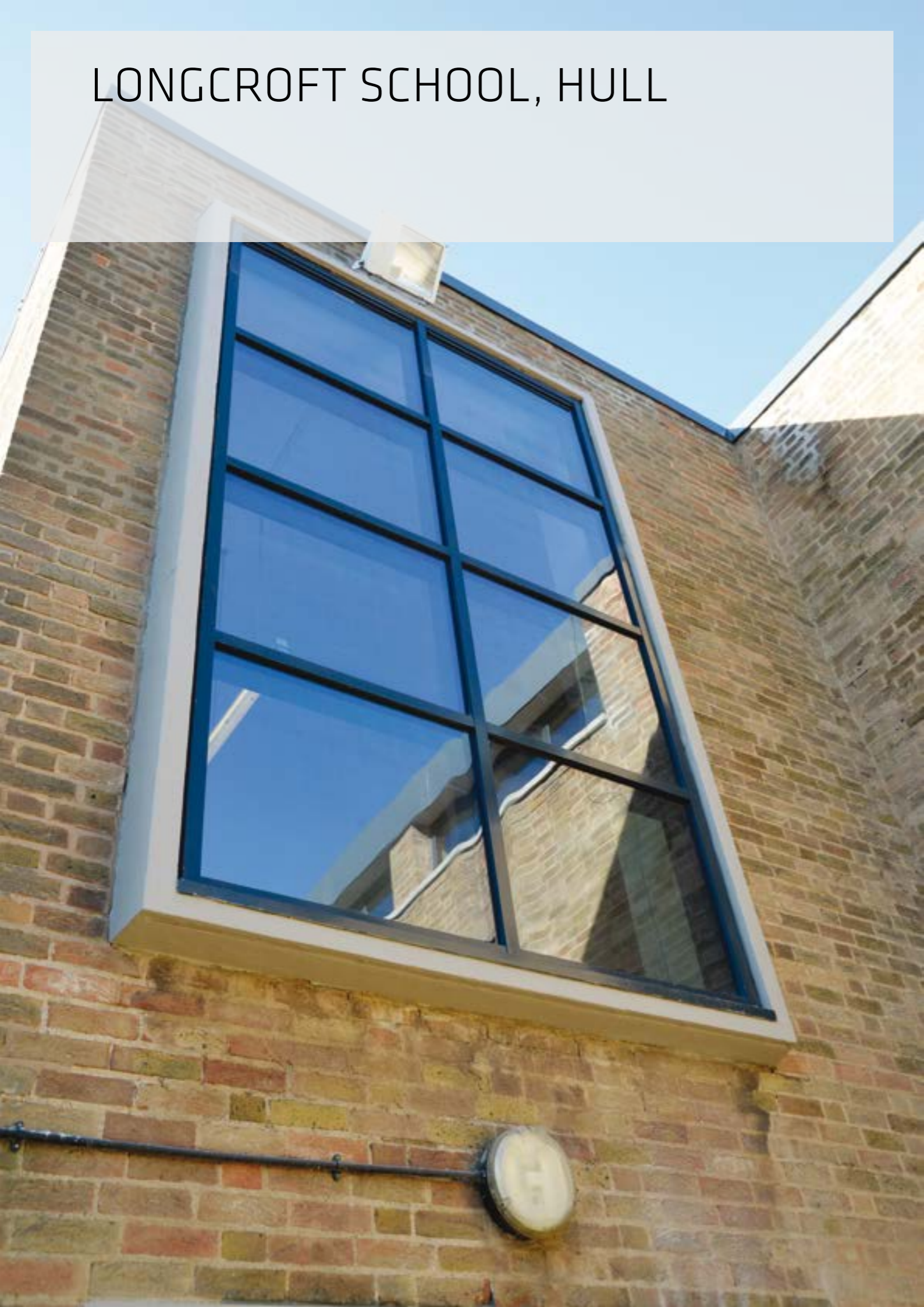
LONGCROFT SCHOOL, HULL

REFURBISHMENT: Sikagard®, Sika® MonoTop® and Sika® Ferrogard®

BUILDING TRUST



LONGCROFT SCHOOL, HULL



YORKSHIRE SCHOOL BACK TO STRENGTH, THANKS TO SIKA.

As part of a fabric upgrade to a 65 year old secondary school in Yorkshire, East Riding Council required a cost effective and high performance concrete repair solution to ensure the future structural integrity of the school. Following the highly successful application of Sika products at the nearby Beverley Grammar School, Mansell Concrete Repairs once again specified a concrete repair system from global building product manufacturer, Sika.

Built in 1949, Longcroft School in Beverley was suffering from concrete spalling, potentially creating loose pieces of concrete that would fall and pose a health and safety issue for teachers and students. With the intention of repairing and protecting for client East Riding Council, the Sika specification included high performance mortars and a corrosion management system.



LONGCROFT SCHOOL HULL



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®, Sika® Ferrogard®-903+ and Sikagard® 550W Elastic. 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.

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. To complete the repair and to provide a top coat, the one-part plasto-elastic Sikagard 550W Elastic was applied to create a flawless finish.

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.

Our most current General Sales Conditions shall apply.
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