

16. IN 2014 WE PIONEERED THE USE OF SILICIC ACID STONE CONSOLIDATORS IN THE NORTH OF ENGLAND. THE PRODUCTS WILL OVER TIME DEPOSIT SILICON OXIDE (SiO<sub>2</sub>) BACK INTO THE SANDSTONE STRUCTURE TO RE-ESTABLISH THE STONE'S COMPRESSIVE STRENGTH. THUS, ON PIECE OF BADLY SPALLED SANDSTONE LOOSE MATERIAL IS LIGHTLY BRUSHED OFF, AFTER CLEANING, AND THE STONE FLOOD COATED CONSOLIDATOR. AFTER 4 WEEKS THE PROCESS IS REPEATED AND THE STONE WILL REGAIN 95% OF ITS ORIGINAL STRENGTH. THE BUILDING AT 10, RAILWAY STREET HUDDERSFIELD WAS ENTIRELY TREATED IN THIS FASHION. SUBSEQUENTLY WE HAVE USED THIS TECHNOLOGY ON A NUMBER OF OTHER LISTED BUILDINGS WITH CRUMBLING SANDSTONE.



***17. We have cleaned several "stately" homes and on our last project (in South Derbyshire) one elevation of the building was inaccessible to a cherry picker as it would have involved crossing several delicate grassed areas. We therefore purchased our own 12m steel scaffold tower and trained our men in the safe use of the K-Lok scaffolding system.***



18. In 2015 we adapted steel strapping technology to strengthen poorly constructed internal support columns in a Grade II listed building in Liverpool.

