

Whole House Retro-Fit and Fabric First Remedial Masonry Repairs

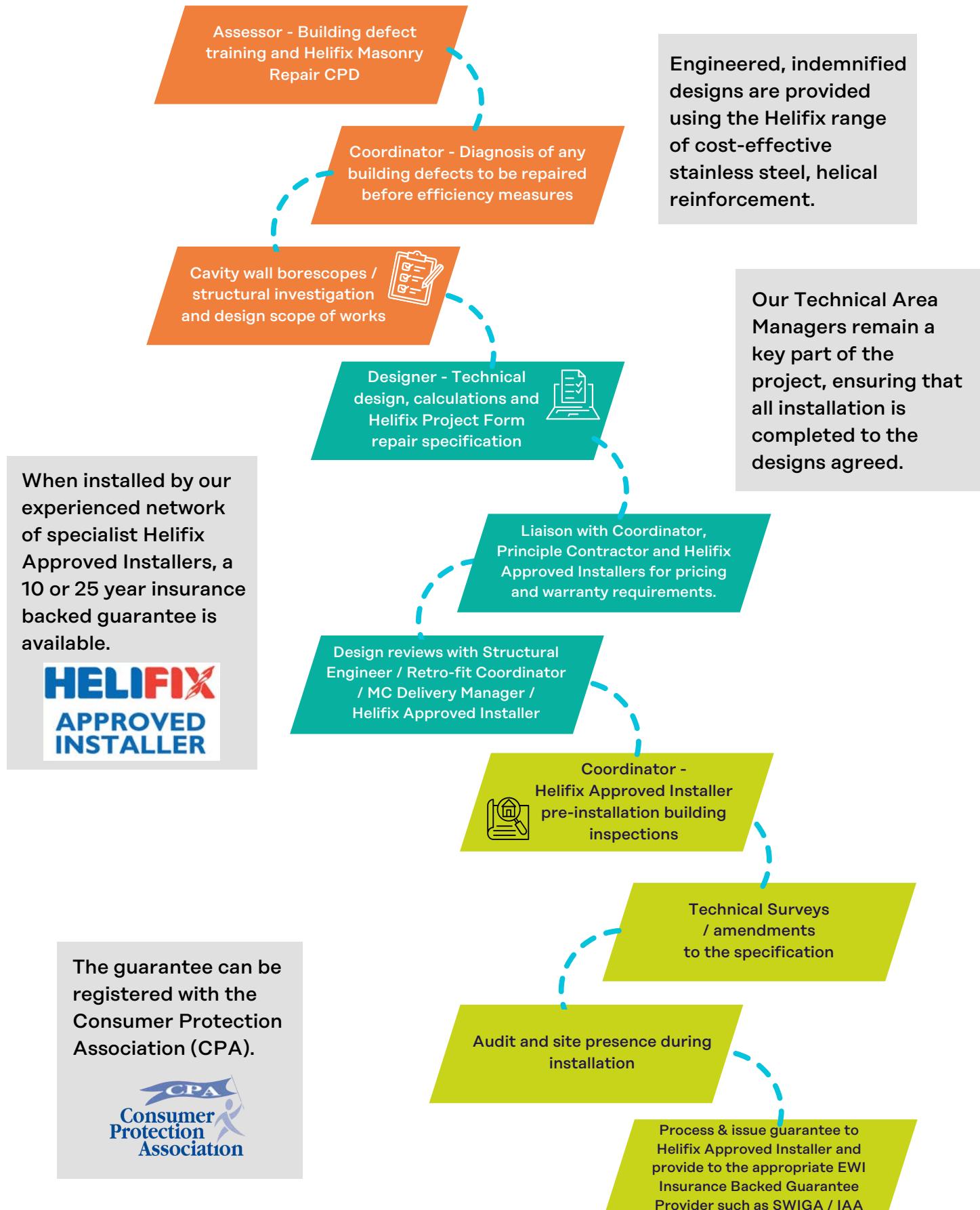
Working as part of Social Housing Decarbonisation
Funded projects and the move towards achieving Net
Zero in the Housing Sector.





Leviat can assist your Energy & Sustainability and Asset Teams, along with RetroFit Assessors, Coordinators and Designers.

Experts in diagnosing defects and designing repair schemes, Leviat offer surveys at no cost and detailed, impartial wall tie investigations with accompanying reports.



Social Housing High Rise External Wall Insulation Project

West Midlands



These two council-owned twelve storey tower blocks were to have external wall insulation installed as part of a renovation scheme.

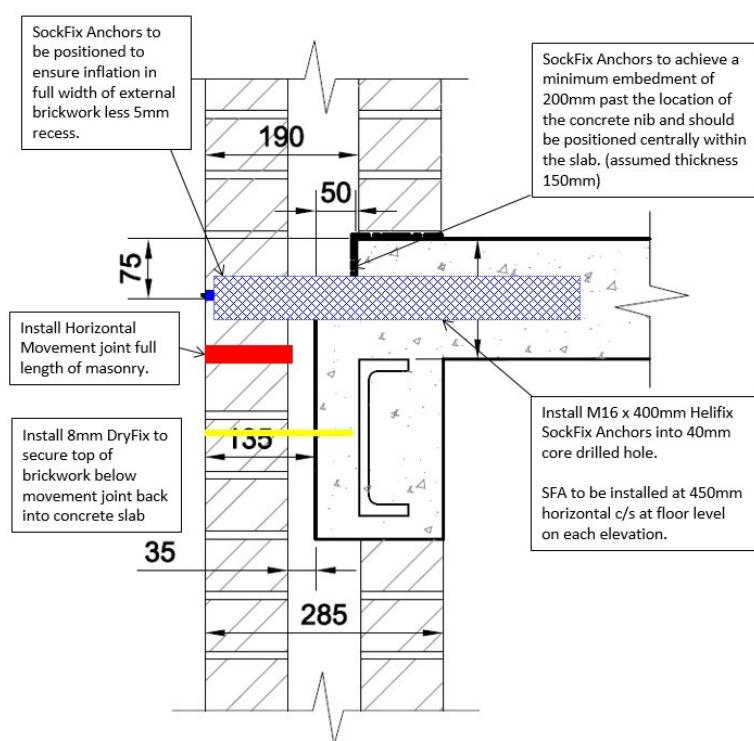
A detailed survey of both buildings found various cracking local to the corners of each elevation, potentially due to a lack of vertical support. There was also evidence of lateral movement in the brickwork due to insufficient wall ties.

As installing traditional steel angles would be too disruptive and costly to install, we were contacted to provide an effective alternative using Helifix products.

A remedial repair and reinforcement programme was devised by our Technical Area Managers. These were then installed by one of our local Helifix Approved Installers.

The work restored structural integrity to the external masonry and provided sufficient strength to support the weight of the new cladding insulation.

8000 x M16 Helifix SockFix Anchors and 30,000 Helifix DryFix Remedial Wall Ties were installed



Overcoming common structural faults with Helifix Products



Lintel Repair & Creation

Helifix systems, for lintel repair and creation using the existing masonry, are less disruptive, time consuming and expensive than traditional solutions of installing a new lintel.



Replacing Failed or Omitted Wall Ties

Wall tie failure is a major cause of masonry cracking and, if not addressed, can lead to collapse of the outer masonry. Helifix remedial wall ties, with rapid easy installation, provide a secure and reliable connection between the inner and outer leaves. Mechanical and resin applications available.



Crack Stitching

A quick, simple, effective and permanent means of stabilising cracked masonry, Helifix crack stitching involves bonding stainless steel HeliBars into appropriate bed joints or cut slots, in bricks, blocks or stonework, with HeliBond cementitious grout.



Helifix SockFix

Mechanically grouted sock anchor systems ensures a solution for a wide variety of applications and repair solutions. The systems comprise of a grout-filled sock that combines with a bar in a composite action which expands to form a strong chemical/mechanical bond with the substrate.



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