

The Client:

Liverpool Housing Trust

The Problem:

When gale force winds ripped the brick cladding from a 1960s tower block, immediate action was called for. Several more blocks were surveyed and it was revealed that 70% of the wall ties were missing, causing a serious safety hazard.



The Solution:

The structural adhesive properties of Technitherm were utilised to bond the inner and outer walls together, to effectively replace the missing wall ties. As Technitherm was installed from the outside, the disruption to tenants was minimal. Injected as a liquid, Technitherm then expands and sets in the cavity, to form a continuous structural bond.

The Outcome:

The use of Technitherm to solve the structural and insulation problems of these tower blocks saved Liverpool Housing Trust millions of pounds when compared to the traditional methods of refurbishment being considered. The Technitherm solution proved so successful that tower blocks that were due for demolition were brought back into use, providing a sustainable housing refurbishment option. Technitherm provides additional protection against the ingress of driving rain, because of its closed cell structure. In addition, the tenants saved a minimum of 25% on their energy bills.