

The Client:

Gwynedd Council

The Problem:

An estate of Trusteel, houses built approx 35 years ago, showing defects in 75mm cavity party walls due to inadequate number of wall-ties. In addition, the external walls with 150mm cavity had a very poor U value of approx 1.7.

The Solution:

The cavities were opened up at floor level, the steel frame was inspected and repairs carried out as needed. Then Technitherm[®] was installed in the cavities to solve the structural problems of inadequate number of wall ties and to dramatically improve the insulation value of the external walls. The first house was treated in 2003 as a pilot study and since then the remaining 59 Trusteel houses have been treated in the same way.

The Outcome:

A cost-effective way to remedy the defects in the Trusteel houses has been demonstrated, which means that Gwynedd Council have been able to extend the service life of these dwellings and the tenants have enjoyed warmer homes and lower heating bills.

Isothane project partners:

Consulting Engineers: Vaughan Parry Associates.

Main Contractor: Minafon Cyf.

BBA Installer: Modern Plan Insulation

