



The client: Rochdale Boroughwide Housing / College Bank Flats

**The Problem:**

Four 20-story and three 16-story apartment blocks built in the 1960's were all suffering from having no cavity wall insulation which equated to high heating bills for the occupants. Some of the blocks were suffering from wall tie failure due to wind driven rain penetration and also some areas of the cavities on the tower blocks were below 50mm in width, which together with severe exposure to weather and building height restrictions eliminated the use of traditional cavity wall insulation.

**The solution:**

MPI installed Isothane Tecnitherm which is a BBA approved cavity wall insulation system, this solved the on-going structural problems caused by wall tie failure by permanently bonding the inner and outer leaves of the wall together. The high thermal performance of Polyurathane Foam has reduced the occupants heating bills far more than any other retrofit insulation and because this system is a Closed Cell P.U foam it will not allow driving rain to get in to the cavity in the exposed areas of the tower blocks.

The work to all seven tower blocks was carried out in only seven months and between them will save 448 tonnes of carbon every year for the life of the buildings.

All the work is covered by a 25 year insurance backed guarantee as well as a 25 year Isothane manufacturers guarantee.

