

# CASE STUDY



## THE GREEN BUILDING, MANCHESTER

The Green Building, located in the McIntosh Village, Manchester has been designed with environment-friendly issues high on the agenda, and is undoubtedly considered one of the most advanced ecological residential and educational developments in Britain.

Conveniently located for the city centre, the Green Building provides a mixed-use complex, created with comfortable, modern features and sustainability in mind.

In addition to 32 apartments, The Green Building houses a 120-place pre-school nursery, a doctor's surgery and 1870 sq. ft., of commercial accommodation set over three floors.

The circularity of The Green Building is more than a striking architectural statement. The design offers the smallest surface area related to the volume of the structure, providing optimum insulation and making measurable energy consumption savings possible year-round.

Our design brief was to create a seamless system that offered an attractive, aesthetic finish on a variety of building backgrounds, whilst meeting the very high levels of thermal insulation required.

As well as achieving a U-Value of  $0.2W/m^2K$ , solar heating and wind turbines were also incorporated into the design to further reduce energy consumption costs.

Baris UK Ltd installed WBS's EPSITEC cavity system on to a lightweight steel frame on the upper floors of the building to meet NHBC guidelines and the WBS EXTERNAL WALL INSULATION SYSTEM onto concrete beams and panels at lower levels.

A unique coloured render was chosen to give the completed structure an eye-catching look and the 1.5mm 'R' silicone finish offered the exact appearance the architect required.

Main Contractor: Taylor Woodrow  
Architect: Terry Farrell & Partners  
Applicator: Baris UK Ltd