

125682/FO/2019 - 45 Harrop Street, Manchester

ENERGY STATEMENT

All building elements will exceed the requirements of Part L1B (Conservation of fuel and power)

Reduction in emissions will be achieved solely through the use of improved energy efficiency measures such as improved thermal fabric efficiency, air tightness and effective heating controls.

All timber used to be FSC certified, sustainably sourced within the UK, with the only exception being where reclaimed timber is used.

The supplier must demonstrate that any PVC supplied has been manufactured in accordance with the Industry Charter for the Production of PVC and must use reasonable endeavours to procure PVC with a recycled content of at least 30% unless this is specifically precluded by performance requirements.

Cavity Wall Insulation	75 mm partial fill Kingspan Kooltherm K8 Cavity Board in an overall 125 mm wide cavity
Loft Insulation	Roof to be insulated with 300mm of mineral wool
Floor Insulation	Ground floor to be insulated with 125mm Kingspan
Boiler	Gas fired combination boiler (manufacturer to be agreed) - Minimum SEDBUK rating 89.5%
Heating Controls	New heating to be zoned, with two time controls. Radiators controlled by thermostatic radiator valves.
Hot Water Insulation	All pipework incorporated within the water supply and heating system located within an unheated space to be encased in 50mm of insulating material of a minimum conductivity of 0.045 W/m k.
Energy Efficient Lighting	At least 40% of all new light fittings to be installed are to be capable of taking lamps having a luminous efficacy greater than 40 Lumens per circuit Watt - such as compact fluorescent fittings. All external lighting to have lamps which do not exceed a capacity of 150 Watts and switch off when there is sufficient daylight and when not required during night.