

# NET ZERO READY BUILDINGS



## SUPERIOR AIRTIGHTNESS

Our exceptionally airtight structures minimise heating and cooling needs, cutting carbon emissions and energy costs.

Airtightness rating of  $<1.0\text{m}^3/\text{h.m}^2$  at 50 Pa, 8 times better than building regulations requirements and approaching Passivhaus levels.



## EXCELLENT INSULATION

Highly rated insulation minimises heat loss through the building fabric decreasing energy usage, carbon emissions and improves thermal comfort.

Building U-values of  $< 0.16 \text{ W/m}^2\text{K}$  significantly exceeds building regulation requirements.

### Energy Performance Asset Rating

More energy efficient

A+

A 0-25

B 26-50

C 51-75

D 76-100

E 101-125

F 126-150

G Over 150

Less energy efficient

Net zero CO<sub>2</sub> emissions

16

This is how energy efficient the building is.



## SOLAR PANELS

Our specially designed solar panel system allows you to generate energy onsite resulting in lower electricity costs and lower greenhouse gas emissions.

The perfect roof angle and large surface area maximise solar energy generation.



## ENERGY EFFICIENT LIGHTING AND HEATING

LED lighting reduces energy consumption, improves light quality and reduces maintenance.

Air source or ground source heat pumps maximise heating and cooling efficiency.



**LOW EMBODIED CARBON**  
25% better than LETI 2030 Schools Target of 350kg CO<sub>2</sub>/m<sup>2</sup>.



## Global Warming Potential - Intensity 264 kgCO<sub>2</sub>e/m<sup>2</sup>

