

# Sigmat System

## Sustainability & Green Agenda

Concern for the environment and promoting a broader sustainability agenda are integral to our core values. We are committed to creating and maintaining good sustainable practises which reduce environmental impact to our activities and of each project.



Substantial reduction in the overall carbon footprint of a building, up 20%.

Manufacture of concrete generates 9% of the world's carbon emissions - almost 3 times as much as the entire aviation industry.



Renewable energy technologies can easily be incorporated into a light steel structure.



Light gauge framed steel structures are substantially lighter than traditional steel framed buildings allowing significant reduction in the construction of foundations, up to 70%.



LGSF structures do not rot, shrink, warp or decompose. Unlike traditional hot-rolled options, the steel is galvanised prior to rolling. This offers unparalleled durability and removes the need for future painting and maintenance.



Site waste is virtually eliminated using pre-engineered and fabricated product so contributes to zero waste targets on site.

Components rolled to length in factory-controlled setting eliminates factory waste.



It is well known that steel is one of the world's most recycled materials with a potential recovery and re-use factor in excess of 90%.



Sigmat structures are built using steel with 42% recycled content.



High levels of thermal insulation and air-tightness can be achieved\* with Light Gauge Steel Framing.  
\*Dependent on associated products specified.



Speed of construction increased by over 30% and less operatives enable social distancing which reduces site impacts - improves site safety due to less operatives.



As the volume of material on our delivery is greater there are less vehicle deliveries to the project, which assist in reducing the impact on the environment.

### Specifications:

Floor concrete specification: C32/40

Steel specification: BS EN 10346

Galvanising specification: S450GD+Z275