

Building Facts

HORTONWOOD 45

BREEAM®

TARGET
ESG RATING:
VERY GOOD



Our aim is to provide a building that will achieve the BREEAM 'Very Good' environmental assessment rating by:

Building

Roof structure: built with structural integrity to allow for the installation of photovoltaic (PV) panels, as a source of on-site renewable energy generation. Constructed initially with a 63 KwP output system already installed from day one.



Roof light: 15% rooflights maximising natural daylight and reducing the need for artificial lighting.



Building fabric: constructed to a high standard of insulation and air tightness.



EPC: target rating A.



Reduced water consumption: in operation through water efficient fittings and suitable metering.



Surface water system design: a commitment to providing resilience to the effects of climate change through the use of climate change allowances in the surface water system design.



Circular economy principles: maximise resource efficiency and minimise waste during construction through circular economy principles.



Sustainable travel: provision of measures to support sustainable travel including cycle storage spaces and EV charging spaces.



Biodiversity net gain: significant enhancements towards biodiversity including estimated net gains in habitat and hedgerow units.



Working closely with the local community to engage them through the construction period.



Landscaping

Top Soil: BS3882:2015 multipurpose grade



Existing trees: 16 different varieties. Protected from damage during construction with 2.3m weld mesh fencing.



Tree planting: all trees to be in accordance with BS3936 National Plant Specification 'Root-balled' trees.



Shrub planting: 14 varieties of shrubs. In accordance with CPSE guidelines



Hedge planting: in accordance with BS3936. Pit planted in double-staggered rows.



Turfing: to be Tillers 'Arena' cultivated turf in accordance with BS4428:1989



Seeding: grass areas to be seeded in March, April and September with germinal seeds mix A19.



Wildflower seeding: 9 varieties of marginal/aquatics. Germinal seed mix WF G9 around pond and wetland areas.



CO₂ absorption: landscaping will absorb approximately 920 tonnes of CO₂ per year.



Break out spaces: landscaped spaces for occupiers of the building to utilise.



Fencing: natural materials used where possible to enhance appearance of the site.



Ecology: 5 woodcrete bat boxes for summer roosting, 2 woodcrete bat boxes for winter roosting and 5 woodcrete artificial nesting boxes suitable for robins, blackbirds and house sparrows.

