

BREEAM 2018 V.6 NC

Barnsley - Birthwaite Park Fully fitted industrial/ manufacturing units



Key:

Not applicable to this building

Minimum requirements

Date:	
Target score:	64.8%
Target rating:	VERY GOOD
Potential score:	8.5%

Credit category	Credit	Title	Credits			% worth per Credit	Minimum standards					Responsible Party	Status	RIBA stage
			Max	Target	Potential		Pass	Good	V. Good	Excellent	Outstanding			
Management	Man 01a	Project delivery planning	1	1		0.52	-	-	-	-	-			2
	Man 01b	Stakeholder consultation (interested parties)	1	1			-	-	-	-	-			2
	Man 01c	BREEAM AP pre-requisite - team formally agree strategic performance targets					-	-	-	-	-			
	Man 01c	Advisory Professional (Concept Design)	1	0	1		-	-	-	-	-			1
	Man 01d	Advisory Professional (Developped Design)	1	0	1		-	-	-	-	-			
	Man 02a	Elemental life cycle cost (LCC)	2				-	-	-	-	-			2
	Man 02b	Component level LCC plan	1				-	-	-	-	-			4
	Man 02c	Capital cost reporting	1	1			-	-	-	-	-			
	Man 03a	Environmental management	1	1			-	-	-	-	-			5
	Man 03b	BREEAM AP - Site	1	0	1		-	-	-	-	-			
	Man 03c	Responsible construction management	2	2			-	-	-	1	2			
	Man 03d	Monitoring of construction-site impacts					-	-	-	-	-			
		i) Utility consumption	1	1			-	-	-	-	-			
		ii) Transport of construction materials and waste	1	1			-	-	-	-	-			
	Man 04a	Commissioning and testing schedule and responsibilities	1	1			-	-	-	-	-			
	Man 04b	Commissioning building services - design and preparation	1	1			-	-	-	-	-			
	Man 04c	Testing and inspecting building fabric	1	1			-	-	-	-	-			
	Man 04d	Handover	1	1			-	-	-	BUG	BUG			
	Man 05a	Aftercare support	1	1			-	-	-	-	-			6
	Man 05b	Seasonal commissioning	1	1			-	-	-	1	1			7
	Man 05c	Post occupancy evaluation	1	1			-	-	-	-	-			7
	Sub-total		21	15	3									
Health and Wellbeing	Hea 01a	Control of glare from sunlight	1	1		0.82	-	-	-	-	-			4
	Hea 01b	Daylighting (building type dependent)	1	1			-	-	-	-	-			4
	Hea 01c	View out	1	1			-	-	-	-	-			
	Hea 01d	Internal and external lighting levels, zoning and control	1	1			-	-	-	-	-			
	Hea 02a	Indoor air quality (IAQ) plan - pre-requisite	-	-	-		-	-	-	-	-			
	Hea 02b	Ventilation	1	0	1		-	-	-	-	-			
	Hea 02c	Emissions from construction products	2	1			-	-	-	-	-			
	Hea 02d	Post construction indoor air quality measurement	1	0			-	-	-	-	-			
	Hea 04a	Thermal modelling	1	1			-	-	-	-	-			
	Hea 04b	Designing for future thermal comfort	1	1			-	-	-	-	-			
	Hea 04c	Thermal zoning and controls	1	1			-	-	-	-	-			
	Hea 05	Acoustic performance (building type dependent)	3	3			-	-	-	-	-			
	Hea 06	Security of site and building	1	1			-	-	-	-	-			
	Hea 07	Safe and healthy surroundings	2	2			-	-	-	-	-			2
	Sub-total		17	14	1									
Energy	Ene 01a	Energy performance	9	5		0.76	-	-	-	5	8			
	Ene 01b	Prediction of operational energy consumption	4				-	-	-					
	Ene 02a	Sub-metering of end-use categories	1	1			-	-	1	1	1			
	Ene 02b	Sub-metering of high energy load and tenancy areas (building type dependent)	1	1			-	-	-	-	-			
	Ene 03	External lighting	1	1			-	-	-	-	-			
	Ene 04a	Passive design analysis	1	0	1		-	-	-	-	-			2
	Ene 04b	Free cooling	1	0			-	-	-	-	-			
	Ene 04c	Low zero carbon feasibility study	1	0	1		-	-	-	-	-			2
	Ene 05a	Energy efficient cold storage - Refrigeration energy consumption					-	-	-	-	-			
	Ene 05b	Indirect greenhouse gas emissions					-	-	-	-	-			
	Ene 06a	Energy efficient transportation systems - energy consumption					-	-	-	-	-			
	Ene 06b	Energy efficient transportation systems - energy efficient features					-	-	-	-	-			
	Ene 07	Pre-requisite: Hea 03 Safe containment in laboratories	-	-	-		-	-	-	-	-			
	Ene 07a	Labs - Design specification					-	-	-	-	-			1
	Ene 07b	Labs - Best practice energy efficient measures					-	-	-	-	-			
	Ene 08	Energy efficient equipment	2	2			-	-	-	-	-			

Transpc	Sub-total		21	10	2	0.83	-	-	-	-	-				
	Tra 01	Travel plan	2	2			-	-	-	-	-				
	Tra 02	Sustainable transport measures - transport options implementation	10	5			-	-	-	-	-				
Sub-total			12	7											
Water	Wat 01	Water consumption	5	3		0.88	-	1	1	1	2				
	Wat 02	Water monitoring	1	1			-	req. 1	req. 1	req. 1	req. 1				
	Wat 03a	Leak detection system	1	1			-	-	-	-	-				
	Wat 03b	Flow control devices	1	1			-	-	-	-	-				
	Sub-total		8	6	0										
Materials	Mat 01a	Building life cycle assessment (LCA) - Superstructure - Technical Design		2		1.07	-	-	-	-	-				
	Mat 01b	Substructure and hard landscaping options appraisal during Technical Design		1			-	-	-	-	-				
	Mat 02	Specification of products with a recognised EPD		1			1								
	Mat 03	Pre-requisite: All timber and timber based products should be 'legally harvested and traded timber'		-			-	req. 1	req. 1	req. 1	req. 1	req. 1			
	Mat 03a	Enabling sustainable procurement		1			1	-	-	-	-	-			
	Mat 03b	Measuring responsible sourcing		3			2	-	-	-	-	-			
	Mat 05	Designing for durability and resilience		1			1	-	-	-	-	-			
	Mat 06	Material efficiency		1			0	1	-	-	-	-	-		1,2,3,4&5
Sub-total			14	5	3										
Waste	Wst 01a	Pre-demolition audit - scope dependent		1		0.67	-	-	-	-	1				
	Wst 01b	Construction resource efficiency		3			2	-	-	-	-	-			
	Wst 01c	Diversion of resources from landfill		1			1	-	-	-	-	-			
	Wst 02	Project sustainable aggregate points		1				-	-	-	-	-			
	Wst 03	Operational waste		1			1	-	-	-	1	1			
	Wst 05	Resilience of structure, fabric, building services and renewables installation		1			1	-	-	-	-	-		2	
	Wst 06a	Design for disassembly and functional adaptability- recommendations		1			1	-	-	-	-	-			
	Wst 06b	Disassembly and functional adaptability - implementation		1			1	-	-	-	-	-		2 & 4	
Sub-total			9	7	1										
Land use and ecology	LE 01a	Site selection - Previously occupied land		1		1	1.00	-	-	-	-	-			
	LE 01b	Contaminated land		1				-	-	-	-	-			
	LE 02	Determining the ecological outcomes for the site		2		2		-	-	-	-	-			
	LE 03a	Planning, liaison, implementation and data		1		1		-	-	1	1	1			
	LE 03b	15*		2		1		-	-						
	LE 04a	Enhancement of ecology - Route 1, 1 credit only		0				-	-	-	-	-		1 & 2	
	LE 04b	Liaison, implementation and data collection - Route 2		1		1									
	LE 04c	Enhancement of ecology - Route 2		3		2									
	LE 05a	Planning, liaison, data, monitoring and review m anegement and maintenance		1		1									
LE 05	Landscape and ecology management plan (or similar) development		1		1	-	-	-	-	-					
Sub-total			13	10	0										
Pollution	Pol 01	Impact of refrigerants		3		0.67	-	-	-	-	-				
	i) No refrigerant use (3 credits)		3		-		-	-	-	-					
	ii) Pre-requisite		2		1		-	-	-	-	-				
	Impact of refrigerant - up to 2 credits		1		1		-	-	-	-	-				
	Leak detection		1		1		-	-	-	-	-				
	Pol 02	Local air quality		2			2	-	-	-	-	-			
	Pol 03a	Flood risk		2			2	-	-	-	-	-			
	Pol 03b	pre-requisite		2			2	-	-	-	-	-			
	Pol 03b	Surface water run-off		2			2	-	-	-	-	-			
	Pol 03c	Minimising watercourse pollution		1			0	1	-	-	-	-	-		
Pol 04	Reduction of night time light pollution		1		1	-	-	-	-	-					
Pol 05	Reduction in noise pollution		1		1	-	-	-	-	-					
Sub-total			12	10	1										
Man	Man 03i	Responsible construction practices		1		1.00	-	-	-	-	-				
	Hea 01i	Daylighting		1			-	-	-	-	-				
	Hea 01i	Internal/ external lighting levels, zoning and control		1			-	-	-	-	-				
	Hea 02i	Minimising sources of air pollution - emissions from construction products		1			-	-	-	-	-				
	Hea 06i	Security		1											
	Ene 01i	Reduction of energy use and carbon emissions		5			-	-	-	-	-				
	Wat 01i	Water consumption		1			-	-	-	-	-				
	Mat 01i	Life cycle impacts		3			-	-	-	-	-				
	Mat 03i	Responsible sourcing of materials		1			-	-	-	-	-				
	Wst 01i	Construction-site waste management		1			-	-	-	-	-				
	Wst 02i	Recycled aggregates		1			-	-	-	-	-				
	Wst 05i	Adaptation to climate change		1			-	-	-	-	-				
	LE 02	Ecological outcomes for the site		1											
	Sub-total			10	0		0								