

## Dashboard Insights

BREEAM page - Explained

# What is the BREEAM dashboard?

BREEAM is a sustainability assessment method. It reviews the design and construction stage of a project, tracking performance on a credits-based system. While BREEAM measures performance across a range of build aspects, Qflow can help you gather evidence for Waste and Materials credits.

Given Qflow already collects data on the quantities of materials and waste consumed, we thought we'd provide a helping hand in digesting this data in the context of BREEAM. We offer an indication towards how your project is performing and our estimations on the credits you may be able to obtain.

Disclaimer: Qflow is not a BREEAM consultant; our dashboards are intended to provide support and insights. Always refer to your BREEAM assessor with any questions.

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### What do the visuals mean?

#### Deliveries

The deliveries section of the BREEAM dashboard demonstrates delivery mileage and key product compliance, reflecting your project's requirements. This information helps towards your Materials credits.

Delivery mileage is calculated on the driving distance between the dispatch address on the delivery ticket and your project site address. We use an Azure Maps API to calculate the most likely route taken. This data is broken down per month and by product group, meaning you can understand what part of your supply chain and/or project build is contributing the most to your mileage.

These metrics evaluate key product groups and whether the certificates for responsible sourcing, which are required for BREEAM, have been provided. The metrics consider the *quantity* of material delivered with valid certification, versus without.

Timber compliance will show as red for anything under 100%, and green for 100% compliance. At the time of writing, BREEAM requires a compliance rate of 100% for all timber products for the avoidance of doubt. Please be aware timber metrics may include deliveries such as timber-based office furniture which won't form part of the final build. We recommend reviewing your timber compliance in detail on the Qflow portal.

For all other key products – plasterboard, structural steel, insulation, rebar, concrete and bricks & blocks – the percentage will show red if under 80%, and green if 80% or more. The BREEAM documentation used for delivery logic:

• BREEAM New Construction (2011, 9.0, Mat 04 Insulation)





### What do the visuals mean?

If you wish to improve the percentages of materials with the correct responsible sourcing certification, Qflow can help. Click the links within the tables found under 'Find Open Issues'; these will take you back to the original record in the Qflow portal. The left table shows when a product is missing a certificate. The right table shows suppliers who have delivered goods to site and we have been unable to locate the relevant certificate for the company.

### Waste

The waste section of the BREEAM dashboard demonstrates waste collection emissions, waste resource efficiency and diversion from landfill. This information helps to provide an indication of your waste credits.

Waste collection mileage is calculated on the driving distance between your project's site address and the facility the waste is taken to. We use an Azure Maps API to calculate the most likely route taken. This data is broken down by month and EWC code so you can investigate which waste materials are contributing the most to your mileage.

Waste per 100m2 is showcased in the first two columns of the table, with the credit thresholds set for construction waste only, as described in the BREEAM documentation. The data in the table is for <u>all</u> your waste; you can select which EWC codes are categorised as construction waste for your project in the filters.

Diversion from landfill includes all demolition, excavation and construction waste in the BREEAM documentation.

We have colour coded the information to indicate the number of credits you *might* receive, based on the data we have in Qflow. Using the BREEAM guidance, the strictest benchmarks were chosen for Waste Resource Efficiency (waste per 100m2). The BREEAM documentation used for waste logic:

- BREEAM UK New Construction (Non-domestic, 2018)
- BREEAM UK Refurbishment and Fit-out (Non-domestic, 2014) provides the Waste Resource Efficiency benchmarks
- BREEAM New Construction: Infrastructure (pilot) provides the diversion from landfill benchmarks (*as all waste types are included, the strictest benchmark is chosen within one credit and Exemplary level*)

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Product Group	101	No BES6001 or ISO14001	No BES6001, but ISO14001	No Cares certificate	No FSC
	<u>18</u>	<u>47</u>	<u>6</u>	<u>29</u>	<u>22</u>
Aggregate		1		<u>1</u>	
Bricks & Blocks	<u>8</u>	<u>86</u>	<u>21</u>		
Concrete	226	<u>1464</u>	<u>394</u>	8	
Concrete (in situ)	3	3			
Concrete (pre-cast)		2	4		
Concrete, Hires & Rentals		2			
Total	57	2054	664	1267	239
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Droduct Issues

		(?) AI	Y		
No credits 1 credit 2 c	redits 3 cre	dits Exem	plary level		
Project	Weight per	Volume per	Diversion from Landfill	Diversion from Landfill	
		Toom2 (ms)		(cm)	
c7eaaad3-bbf7-4ae7-9d15-d7cebadbcb2b	0.49		99.62%	99.53%	
d99fa86a-d0da-417e-a207-4b7293b3781e	0.51	1.40			
122d56ef-b949-41c7-90e3-52aae7be1f62	0.57	1.56	100.00%	100.00%	
6b757bad-708e-4756-a93b-64c491b1a380	0.59	1.47	100.00%	100.00%	
6-0544ba 3b30 422a ba90 bdad9000449b	0.50	4 00	06 70%	07.95%	
0a03110a-2020-4336-0C69-00a069990460	0.39	1.00	90.70%	57.00%	
ae50f884-7556-49f2-bd19-688338642a0f	0.66	3.39	94.96%	92.38%	
19ddfea6-c02a-407a-b768-92762ce42078	0.66	1.74	99.92%	99.79%	
f1c9c753-8389-4abb-9776-c6e6ce3d103c	0.69	1.83	100.00%	100.00%	



### Calculations

### Delivery Mileage

Delivery mileage is calculated as the distance of a journey from Point A, the dispatch address, to Point B, the project site address.



#### Product Group Certification Metrics

The below example is demonstrating the timber metric, but the same process stands for other product groups with other certifications.



### Waste Collection Mileage

Waste mileage is calculated as the distance of a journey from Point A, the project site address, to Point B, the waste facility address.



### Waste Resource Efficiency / Waste per 100m2





If you have any questions, please don't hesitate to reach out to your Customer Success Manager, or at support@qualisflow.com

