

DASHBOARD INSIGHTS

BREEM 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.

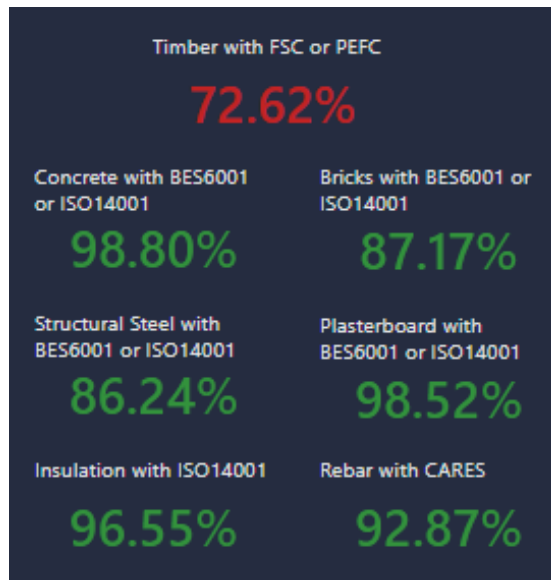
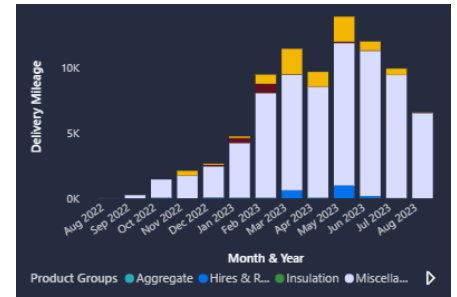
Disclaimer: Qflow are not BREEAM consultants; our dashboards are intended to provide support and insights. Always refer to your BREEAM assessor with any questions.

What do the visuals mean?

Materials

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 a Google 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 basis of this benchmark was sourced from BREEAM New Construction (2011, 9.0, Mat 04 Insulation).

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.

| Product Issues | | | | | |
|---------------------------|------------|------------------------|--------------------------|----------------------|------------|
| Product Group | 101 | No BES6001 or ISO14001 | No BES6001, but ISO14001 | No Cares certificate | No FSC |
| Aggregate | 18 | 47 | 6 | 29 | 22 |
| Bricks & Blocks | 8 | 86 | 21 | | 1 |
| Concrete | 226 | 1464 | 394 | 8 | |
| Concrete (in situ) | 3 | 3 | | | |
| Concrete (pre-cast) | | 2 | 4 | | |
| Concrete, Hires & Rentals | | 2 | | | |
| Total | 157 | 2054 | 664 | 1267 | 239 |

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What do the visuals mean?

Waste

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

| Project | Tonnes per 100m2 | Volume per 100m2 | Diversion from Landfill (t) | Diversion from Landfill (m3) |
|--------------------------------------|------------------|------------------|-----------------------------|------------------------------|
| 2fd992e7-b3df-4247-a93e-e1bc21256a18 | 3.86 | 20.95 | 100.00% | 100.00% |
| f33eb243-ecf-45d5-a986-31042c653a2f | 2.79 | 7.58 | 99.41% | 99.46% |
| c6e96767-7f92-4c86-8439-06d2ee8e9dcd | 1.06 | 2.38 | 97.44% | 97.26% |
| 40d8386a-81e1-49de-804b-41ca5df6aad1 | 0.68 | 1.72 | 100.00% | 100.00% |
| 56e7be42-32a3-4364-a9c5-6158579891fe | 0.64 | 1.80 | 100.00% | 100.00% |
| 689fd78c-c6d8-4168-b11b-0068f957b7c0 | 0.47 | 1.54 | 100.00% | 100.00% |
| 7bbdf052-5737-43cc-b242-25f54b67d187 | 0.39 | 1.26 | 99.77% | 99.78% |
| d2674f4d-c649-40e7-b984-7aee978f68a4 | 0.37 | 1.17 | 100.00% | 100.00% |
| e7fc0fc8-ed3b-4774-821b-48135ebba78c | 0.34 | 1.01 | 100.00% | 100.00% |
| 2cad8ead-c194-4306-9961-0ce0ce4d3eef | 0.27 | 0.71 | 99.85% | 99.80% |

The table details waste resource efficiency and diversion from landfill per project. We have colour coded the information to indicate the number of credits you may receive based on the data we have. The first two columns of this table showcase Waste Resource Efficiency for construction waste only. Diversion from landfill, on the other hand, includes all waste types: excavation, demolition and construction. The

waste is grouped into these categories based on EWC codes.

Within the "Waste" or "Resource efficiency" chapter of the BREEAM guidance, the strictest benchmarks were chosen for Waste Resource Efficiency (tonnes/volume per 100m2). Diversion from landfill benchmarks were defined from the following BREEAM documentation:

- 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*)



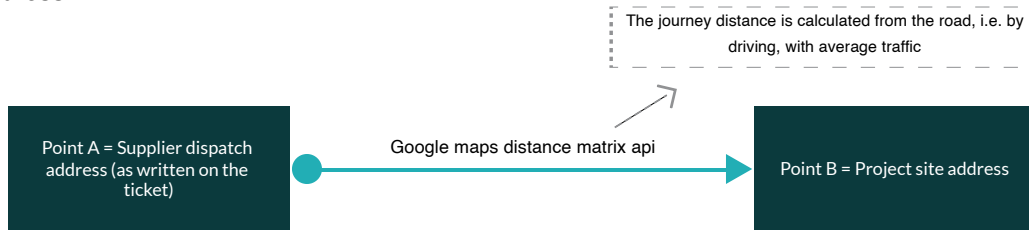
Waste collection mileage is calculated on the driving distance between your project's site address and the facility the waste is taken to. We use a Google API to calculate the most likely route taken. This data is broken down by month and EWC code so you can investigate which waste materials are contributing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

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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.



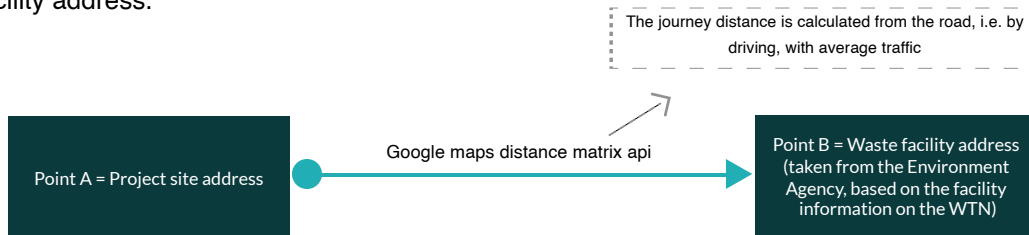
Product Group Certification Metrics

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





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