

**Figure S1:** Waste stream breakdowns for case study projects, as reported by waste management companies. Waste categories and names are used inconsistently by different companies; the colours shown are based on the EWC codes they used, translated into our key, and the labels are as stated in their reports. Charts (**a**) and (**b**) relate to waste from two contractors doing the same type of refurbishment work, aggregated over several months. One would expect the breakdowns to look similar. The data in (**a**) come from an estimate based on the overall WTS figures; in (**b**), from an estimate carried out visually on a skip-by-skip basis. Therefore (**a**) is modelled on the waste from a far larger sample size – it should represent a more generalised profile of C&D waste streams in London – whereas (**b**) should be a more accurate model of the project in question.