

Carbon Neutral Chesham and Hanover Flats, Mayfair, London

50 Tonnes of IKO Permaphalt Waterproofing System

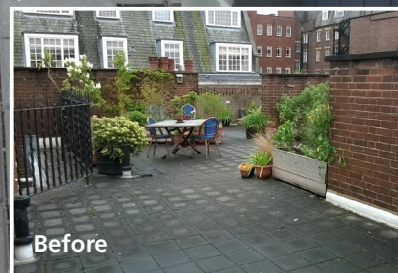
Project Description

Peabody Estate, owner of the Grosvenor Estate Flats (Chesham and Hanover), Mayfair, London prefer to replace new building materials that match the material that is being replaced, in-keeping with the authenticity that so many buildings have in this areas of London. In this case Mastic Asphalt.

IKO successfully designed and installed the new roofing system - alongside contractor Sinclair Roofing, despite the difficulties with access (for plant and materials) and not being able to alter the perimeter railings.

The new IKO Permaphalt roofing waterproofing system was installed to replace the existing roof coverings and to improve insulation levels (using IKO enertherm insulation boards) for the tenants below. IKO Permaphalt provided the long term solution that was requirement.

The net carbon footprint of this project is entirely offset using internationally approved carbon credits, which means for every tonne of Mastic Asphalt made, we are helping to fund environmental and humanitarian causes.



Impact Calculator: 50 Tonnes Mastic Asphalt = 7.8 Tonnes of CO₂ Offset

Impact Sector	Impact	Quantitative Data
Environment	Wood Saved	3 tonnes
	Area Protected	0.02 hectares
Social	Number of Stoves	1
	Time Saved	67 hours
	Children Impacted	3
	Elderly People Impacted	1
	Total People Impacted	5
Economic	Working Time Saved	67 hours
	Working Days Equivalent	8 days
Health	Likely reduced cases from project support	
	Respiratory Illness (Lower Chest / Lung)	1
	Asthma	1
	Ear, Nose and Throat Irritation	0
	Total Reduced Instances of Serious Illness Attributed to Indoor Smoke	2

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History Behind the Location

Brown Hart Gardens in Mayfair London is not well-known but once you find it you will cherish its tranquillity. Only a short walk from Selfridge's and Oxford Street, Brown Hart Gardens is a raised paved area used by local people, workers and visitors to Mayfair during the day for a quiet lunchtime sandwich or to read in peace.

Brown Hart Gardens are an amalgam of the former Brown Street on the south side and Hart Street to the north, originally two 18th century streets of small houses. When the houses were pulled down to make way for Chesham and Balderton Buildings in 1886-88, a communal garden was laid down the centre for the benefit of the residents of the flats.

Since 1973 the blocks have been taken over by the Peabody Trust, and their names changed from 'Buildings' to 'Flats'.

Carbon Zero: <http://www.co2balance.com/>

The data from the Impacts are based on the field work carried out by CO2balance within the project locations in Kenya. The data that is gathered is in line with the requirements of the Gold Standard as part of the annual Monitoring. These Monitoring Reports are available on request. Data is then cross comparable against national averages in Kenya to ensure accuracy. Assumptions and extrapolations have been used

where relevant. The Health Data is derived from the following sources R. Perez-Padilla et al, 2010. 'Respiratory health effects of indoor air pollution' in International Journal of Tuberculosis and Lung Disease, vol. 14 no. 9, pp1079-1086. Kenya National Bureau of Statistics. (2008). Kenya Integrated Household Budget Survey. Ministry of Planning and National Development, p1-300. 3 Wood saved and

clean water supply - Calculations based on field measurements conducted by staff contracted to CO2balance and are conducted according to the requirements defined by the Gold Standard. Monitoring data is available on the Gold standard registry.

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