



Bus Shelter, Sheffield, South Yorkshire

Cool green roofs for the city's bus shelters was an initiative carried out by Groundwork Sheffield and Sheffield's Green Roof Forum as part of a wider programme aimed at addressing the lack of green roofs across South Yorkshire. Bus shelters offer an ideal surface for greening, providing an attractive green space in our concrete dominated urban streets and offering much needed shade for waiting passengers. The living vegetation



installed on the bus shelter is in a prime position to filter pollution and particulates from transport exhausts thereby protecting the health of waiting passengers. Greening of the bus shelters also highlights the value of integrating sustainable design and green travel in our attempts to reduce rates of climate change. The greening of the bus shelters has been a huge success capturing the public's imagination and promoting sustainable technology. As a result Groundwork Sheffield is currently campaigning for all of the city's shelters to include living layers on their roofs, if successful this would equate to over 8000m² of green space. Large scale greening of the Sheffield's shelters has the potential to contribute towards addressing many of the social and environmental problems faced by city residents including lack of green space, poor air quality, poor water quality and flooding.

Roof Specifications

Size: 6m² per shelter

Green Roof Elements:
Polyfelt blanket, overlain with 30-40mm sedum vegetation mats

Client: A partnership between Groundwork Sheffield, South Yorkshire Passenger Transport Executive and Sheffield City Council

Main Contractor: Groundwork Sheffield

Green Roof system: DIY— Groundwork Sheffield

Cost: The sedum mat cost approx £34 per square metre. The other costs were: £50 scaffolding and £25 matting to go under the mats and protect the bus shelters.