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GOLD LEAF
AWARD WINNING
COMPANY

Fytotextile Living wall

Benefits Sheet

Green Aesthetics

Living walls create a WOW factor unrivalled by other interior or exterior finishes. They are not only beautiful but also help companies communicate green credentials to their customers. Championed by well-known retailers, hoteliers and commercial businesses – Living Walls demonstrate a company's sustainability targets and corporate social responsibility.



Living Walls trap Particulate Matter

Improved Air Quality



Living Walls breathe air into our cities and also purify the air in our interior spaces – leading to improved working and living environments. Previous studies at the University of Lancaster found living walls to be more effective than trees at reducing nitrogen dioxide in dense urban areas with high pollution levels. Due to the construct of city landscapes, tall buildings create 'street canyons' that can trap pollution at street level. Living walls can increase the deposition rate of nitrogen dioxide up to 40% of and by as much as 60% for particulate matter, acting as a macro street air filter.

Living Walls Provide Great Insulation

Living Walls keep buildings cool in the summer and insulate during the winter producing proven energy efficiencies. A research and development programme undertaken at the University of Sheffield includes research into the thermal benefits of Living Walls. The one year long study provided irrefutable evidence of the effectiveness of Living Walls to insulate buildings from fluctuating seasonal temperatures, reducing air conditioning and heating costs.

Reducing the Urban Heat Island Effect

Living Walls help to keep our cities cool and comfortable in the summer

Urban heat islands occur in areas with higher concentrations of hard exposed surfaces. On a hot, sunny day, the sun can heat surfaces, such as roofs and pavement, to temperatures up to 50°C hotter than the surrounding air. Adding Living Walls and Green Roofs to urban structures can greatly mitigate the urban heat island effect, helping to make the city environment more temperate in the summer months.





Living Walls provide forage for pollinators

Reduction of Noise Pollution



Living wall structures can reduce noise levels in buildings. Plants are regularly used to reduce noise on motorways and within urban environments. Living walls reduce noise levels by reflecting, refracting as well as absorbing acoustic energy. This further assists with reducing stress in working environments leading to happier healthier staff and improved staff retention.

Improved Urban Biodiversity

Living walls are micro ecosystems that provide massive benefits for urban wildlife populations by providing habitat, shelter and food. As more areas in our urban spaces become stripped away by new developments Living Walls provide habitat stepping stones for the enhancement of biodiversity, linking rural areas to parks and city gardens - Green Corridors. Greenscene offers a bug habitat to all of our Living Wall clients to further encourage habitat creation for our urban wildlife population

Flood Mitigation

Living walls are absorbent along-with green roofs and rain gardens – absorption helps to slow down rain water run-off, making urban areas less prone to flash flooding.



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