

Green Screens for Urban Spaces



MERISTEM
DESIGN

Turning the grey green

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Turning the grey green[©]

At Meristem Design, we create bespoke green solutions for business, public and residential areas. We deliver custom sustainable projects that place nature at the forefront to bring benefits to people, communities and the environment.

From project inception through to aftercare, we provide high-quality services such as:



Design



Fabrication



Delivery



Installation



Planting



Maintenance



To find out more go to meristemdesign.co.uk

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What is a Green Screen?



Green screens, sometimes called green living screens, are vertical structures with living plants that can be installed on walls, fences or used as freestanding structures. They add natural beauty into urban environments while delivering many environmental and health benefits.

Highly adaptable, green screens can be placed in public spaces, educational institutions, commercial areas and private properties to help provide instant greening and security. Offered as an attractive alternative to walls and fencing, green screens contribute towards creating healthier, more breathable urban environments.

Our Green Screens can be provided in a selection of timber or steel options. The Steel Planters can be powder coated to any RAL colour requested.

Our Green Screens can be provided in a range of species for a variety of aesthetic options:

- Hedera (various Ivy)
- Carpinus Betulus (Hornbeam)
- Fagus Sylvatica (Beech)
- Euonymus 'Dart's Blanket'
- Pyracantha
- Trachelospermum Jasminoides (Jasmine)

Benefits



Instant Greenery

Green Screens come mature on day 1 for instant impact.



Biodegradable Pot

Comes in a biodegradable pot containing all the nutrients the plants need to establish.



Improved Air

Improve the day to day air quality of the area, including PM10 reduction.



Acoustic Barrier

Reduces noise pollution acting as a vegetative acoustic barrier.



Biodiversity

Green Screens create an improved habitat for insects, pollinators and birds.



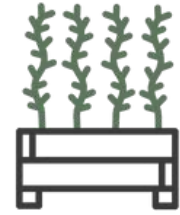
Low Maintenance

Designed to fit any space, Green Screens are easy to maintain in any location.





Green Screens in Schools



Green living screens provide natural shade and privacy, reduce noise pollution, and improve air quality, creating healthier and more sustainable learning environments.

The vegetation acts as a natural filter, trapping dust and absorbing pollutants.









Green Screens in public spaces



Enhancing public spaces and boosting biodiversity, the screens manage noise pollution and help mitigate urban heat islands. They offer a level of aesthetic adaptability that allows them to blend seamlessly with different spaces and can be customised to match or contrast with surrounding features.







Plants in Green Screens



Green screens offer a diverse palette for the inclusion of various plant species. The choice of plants can vary depending on the local climate, soil conditions, and the specific requirements of a project.

Commonly used plants include ivy, particularly *Hedera helix*, due to its robust nature and ability to provide dense coverage. Other options could include Clematis, Jasmine, and various climbing roses. Shrubs and small trees can also be utilised in more extensive green screen installations.



Timber



Our Green Screens are often constructed in a timber frame using C16 softwoods like spruce and pine. These are versatile, relatively strong, lightweight timbers. As they are faster growing than most hardwoods and easier to process, this makes them a cost-effective option.

We also provide hardwood timbers such as sapele or iroko. These timbers have a high tolerance to indentation, shock resistance and bending properties and provide different aesthetic options.

Timber surfaces can also be stained or painted with a suitable, outdoor wood paint.







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Central London
A4

WALGARTH ROAD

AMBULANCE

Improving air quality



Green screens act as natural air purifiers. The foliage can capture dust, pollutants and absorb harmful gases from the air. Plants in green screens process carbon dioxide and release oxygen, improving the air quality around them.

Additionally, they can absorb other harmful pollutants like sulfur dioxide and carbon monoxide. The larger leaf surface area available in green screens provides more opportunity for air purification, making them an effective tool for combating urban air pollution.

By acting as a living filter, green screens contribute towards creating healthier, more breathable urban environments.









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