

BIOPANEL LIVING WALL SYSTEM



Rainscreen cladding

CWCT tested
rainscreen
cladding system



Minimal combustibles

Designed with fire
safety in mind



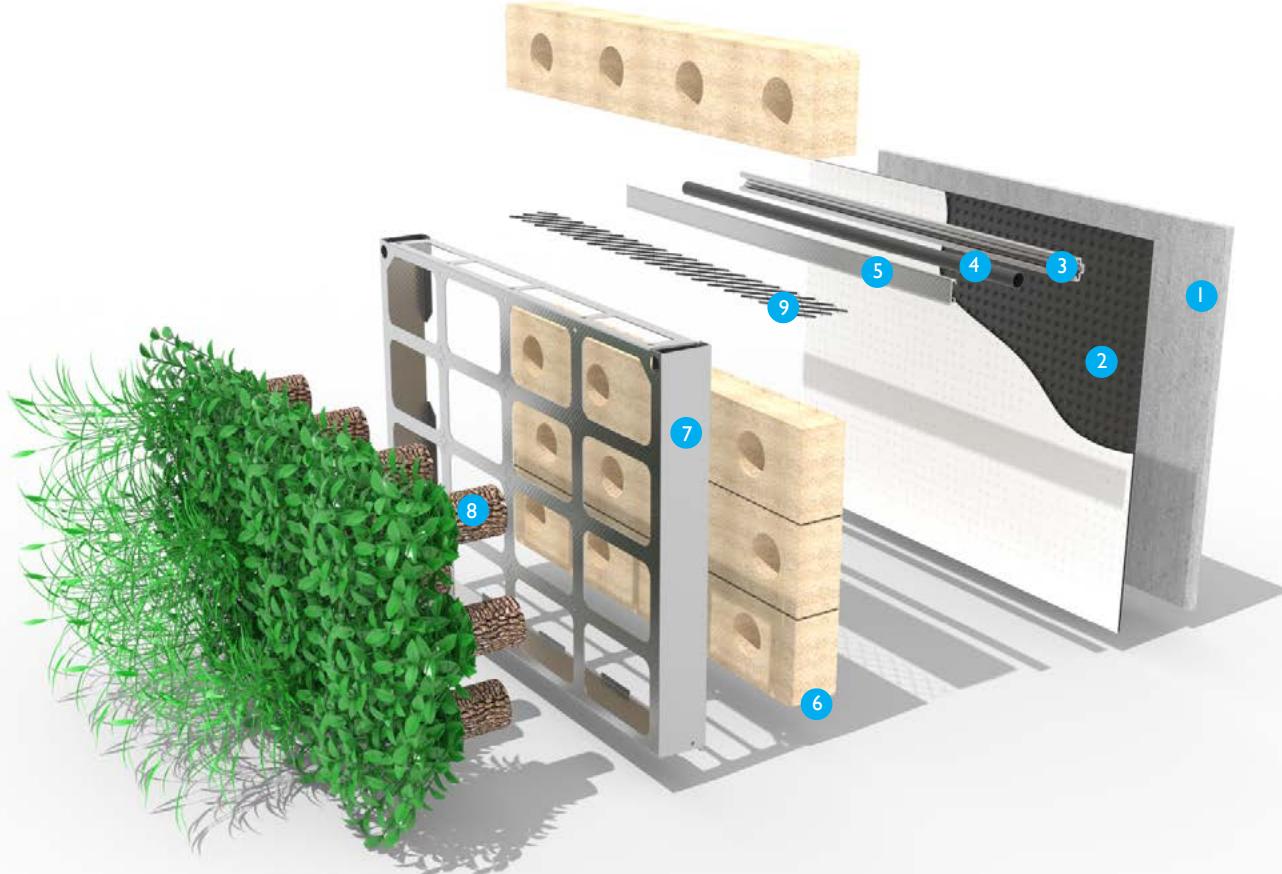
Hydroponic

Predictable growing
medium with automatic
irrigation

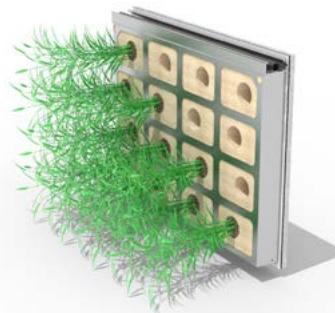


Resilient

Designed for long
lasting growth



- 1 A or B rated 12mm water resistant cement particle backing board
- 2 Geotextile drainage layer
- 3 Aluminium carrier rail
- 4 16mm polypropylene irrigation pipeline
- 5 Self coloured aluminium cover
- 6 Growing medium - Grodan PP/100/100
- 7 Self coloured aluminium shell
- 8 Robust evergreen planting
- 9 Capillary breaks





Applications

- Living wall rainscreen cladding
- Newbuild or retrofit
- Internal or external use
- Residential projects under 11 metres
+ all other use types

Benefits

- Full green coverage (60 plants/m²)
- Non-combustible growing medium
- Multiple holistic benefits. e.g improved aesthetics, air pollution reduction and boosted biodiversity
- Support sustainability targets including Urban Greening Factor, Biodiversity Net Gain, BREEAM & WELL

Certifications

- CWCT (Centre for Window and Cladding Technology) tested
- Independent structural assessment
- Fire Engineering Assessment Report (Tested in operational conditions) (B-s2-d0)

Available resources

- Full brochure and specification
- standard details
- 3D CAD files (Rhino, Revit)

Dimensions

- Panel dimensions: 600mm x 450mm
- Panel thickness: 60mm
- System thickness: 83mm

Weight

- 75kg /m² fully saturated

Support structure

- Support structure required at 600mm centres
- Support options include bespoke steel frame, Hilti helping hand bracket and Omega Top Hat

Irrigation & drainage

- Fully integrated automatic irrigation system
- Remote monitoring as part of a full maintenance package
- 16mm diameter dripline with pressure compensated drippers (4 per BioPanel)
- Irrigation zones for precision watering
- Low water usage 1L/m²/day
- Plant room or roadside cabinet required
- Additional moisture sensors if required
- Rainwater harvesting option
- Integrated gutters

Find more information on NBS Source or

www.biecture.uk.com

Get in touch: enquiries@biecture.uk.com | 01243 572118

Full design, installation and maintenance service from Biotecture



Consultancy



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Horticulture



Installation



Maintenance