

VERTICAL GARDENS

INDOOR & OUTDOOR



 **sempergreen®**


GREEN LIVING ARCHITECTURE

Green Living Architecture is the integration of plants and water with built form. A vertical garden or living wall is a garden that is turned sideways. It is not found anywhere in nature, but with the right tools it can be done with tremendous success. Sempergreen has found the right tools and put them together to create one of the most successful green wall systems available worldwide; the SemperGreenwall.



FACADE LIFE
SPAN EXTENSION



HEALING
ENVIRONMENT





With a SemperGreenwall the overall beauty of the spaces is accented. An outdoor to indoor transition can be achieved, herewith creating an open and pleasant environment.



AMBIENT
NOISE REDUCTION



FIRE RETARDANT
LAYER

FLOURISHING INDOOR SPACES



URBAN LANDSCAPING

A SemperGreenwall is a space-saving solution for many urban problems, such as urban heating, climate change, noise and air pollution. Living walls are an enhancement to urban spaces and improve natural surroundings for both humans and animals.



AIR
PURIFICATION



AMBIENT
TEMPERATURE
REDUCTION



BIODIVERSITY
INCREASE

HEALTHY WORKSPACE

Human capital investment plays an important role in the future of building design. Health, well-being and sustainability are key drivers of real estate value. Indoor Environmental Quality (IEQ) in office buildings has a proven positive effect on employee health, well-being, and productivity. A SemperGreenwall can make a contribution to WELL-certified buildings.



HEALTHY
INDOOR
CLIMATE



LABOR
PRODUCTIVITY
INCREASE



POSITIVE
EFFECT ON
WELL-BEING





RETAIL DESIGN



MORE
SOCIAL
INTERACTION



INCREASE
IN PROPERTY
VALUE

A SemperGreenwall enhances the shopping experience in shops and malls. It creates a pleasant environment, where people want to stay longer. In addition, it reduces noise pollution and lowers the ambient temperature. For new construction as well as existing buildings, a SemperGreenwall contributes to a BREEAM or LEED score, always in combination with a set of other measures.



HEALING ENVIRONMENT



POSITIVE EFFECT
ON MENTAL AND
PHYSICAL HEALTH



BETTER
AIR QUALITY

A SemperGreenwall in healthcare institutions can yield many healthcare benefits. A green environment has a positive influence on the physical and mental health of patients. This phenomenon is also known as a 'healing environment'. Scientific research shows that patients use up to 30% less painkillers if they stay in a greener environment.



PLANT HAPPINESS

UNIQUE PLANT CARE SYSTEM



EFFICIENT
WATER & PLANT
NUTRITION SUPPLY



SUITABLE
FOR EXTREME
CONDITIONS



ROOT
PROTECTION

The Plant Care System of a SemperGreenwall is unique. It is an elaborate system, that ensures each plant's roots to roam freely, micro irrigates the plants to save water and fertilizer and protects the roots from frost and heat. Herewith creating a continuous, monolithic vertical garden with lush, happy plants.

Thanks to the Plant Care System, plant loss is reduced to a minimum and replacement is unnecessary. Maintenance of a SemperGreenwall therefore only consists of pruning.



WATER REUSE



REMOTE
CONTROL
MONITORING



PRUNING

WHY A SEMPERGREENWALL?





Plant patterns and logos are among the many options for a SemperGreenwall. Inform us of your wishes and together we will look for the best solution for your project.



PLANT DESIGN

At Sempergreen quality is vitally important. Every situation is unique and climatic circumstances differ, which is why Sempergreen has thoroughly tested its assortment of plants.

The plant design possibilities are endless. As an architect, you are offered the opportunity to supply your own design and plant preferences. A SemperGreenwall is always planted with a carefully selected mix of plants, fit to the specific situation and outdoor or indoor climate of your project.



EXPERT PLANT
SELECTION



TAILORED TO
CUSTOMER
WISHES



PLANT CARE
SYSTEM

PRE-GROWN PLANTS

Thanks to its extensive knowledge of plants, Sempergreen selects only the strongest perennial plant varieties for its SemperGreenwall. Combined with many years of cultivation experience since 1998, Sempergreen offers a perfectly grown facade which always has at least 90% coverage on delivery.



PRE-GROWN



PREFERRED
INSTALLERS



CONSTRUCTION & DESIGN

DRIPLINES

water & nutrition

PLANT CARE SYSTEM

CONSTRUCTION FRAME

Unique hanging system with Omega profiles and waterproof layer.

FLEXIPANEL

Modulair, lightweight (45 kg/m²) and most flexible system for corners and curved surfaces. With TPO back side, so no water pollution.

PLANT DESIGN

Customized planting plan with 90% coverage on delivery. Instant green result.

PLANT CARE SYSTEM

Efficient and focused watering and nutrition with an intelligent irrigation computer and drip lines every 50cm. 24/7 remote control monitoring.

EDGING DETAILS & GUTTER

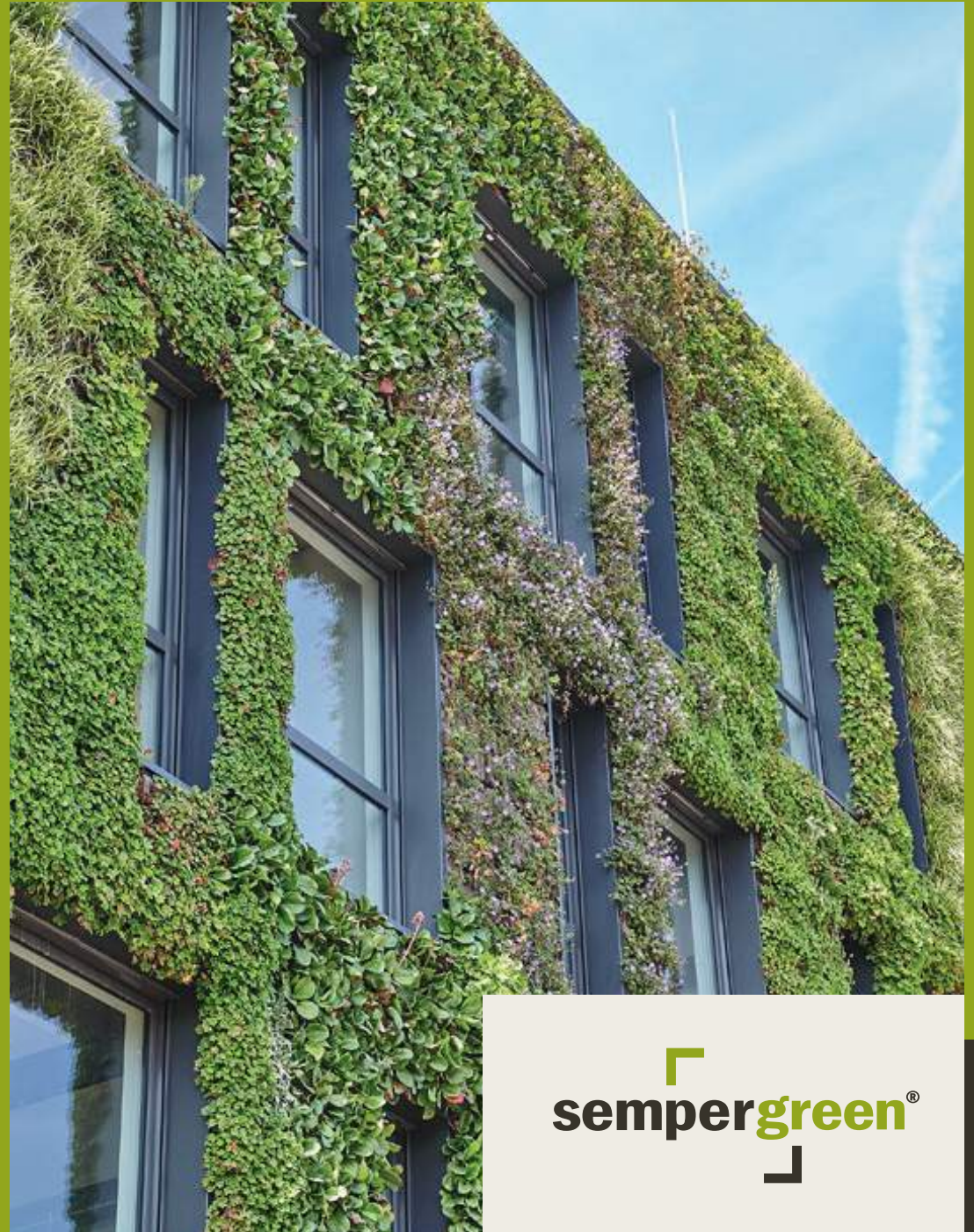
Perfect connection to existing wall. Standard durable aluminum. Available in every possible color.

JOIN OUR MISSION TO REPLANT THE PLANET.

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