

LIVING ROOFTOPS

& GROUND COVER




sempergreen®




ABOUT SEMPERGREEN

Sempergreen - grower in heart and soul - works daily with the vision of improving life with quality products for green roofs, green walls and ready-to-lay ground covering.

Together with our clients, our ambition as market leader is to make the world a little greener every day.



Since Sempergreen was founded in 1996, we combine our love of nature with a sustainable ambition that extends beyond the day of tomorrow. Within our product development & innovation department, we develop products and concepts that make an important contribution to climate resilient building and thus provide a solution to the current climate problem.

In this way we make life in the city more green, more pleasant and more liveable for ourselves and future generations.



FLAT ROOFS

With Sempergreen Sedum roof systems you create a green roof in an instant. There is often little space for greenery in urban areas, but flat roofs offer miles of potential surface. A green roof is not only appealing to look at, it also provides a direct improvement of environmental conditions for humans and animals.



DIRECT-
GREEN



LOW
MAINTENANCE

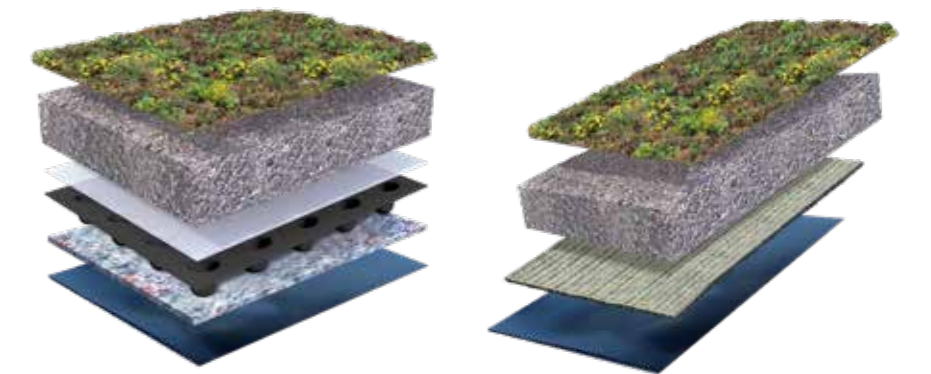


ENVIRONMENTAL
IMPROVEMENT



All Sempergreen vegetation blankets boast at least 95% coverage upon delivery. In addition, maintaining a Sedum roof is relatively easy.

Both for new construction as well as renovation projects a green roof contributes to the BREEAM or LEED certification score, always in combination with other measures.



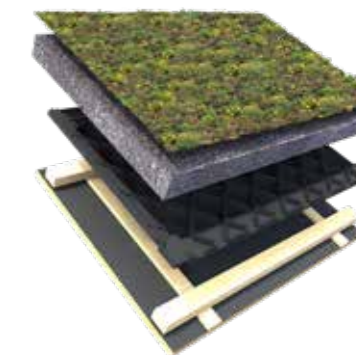
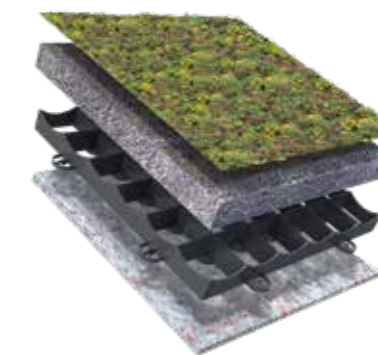


Sustainability is an important topic in renovations, conceptual building, residential construction and green architecture. By applying a holistic approach, green roofs can play an important role in the realisation of an energy-efficient, low-maintenance and sustainable built environment.



PITCHED ROOFS

When pitched roofs are provided with a green roof, they offer a magnificent visual effect. Sempergreen has developed the perfect solution especially for (steeply) pitched roofs. The reinforced Sedum-mix blanket type T - in combination with the right system structure - is ideally suited for pitched applications.





BIODIVERSE ROOFS



INCREASING
BIODIVERSITY



AIR
PURIFICATION

Where building takes place, the ecosystem is disrupted. With a biodiverse roof you contribute to nature inclusive buildings and preserving the biodiversity of your environment. Roofs offer numerous opportunities for a design with biodiverse green roof systems. With the right maintenance method, your biodiverse roof will be an oasis for birds, butterflies, bees, and other insects.



Sempergreen offers several Biodiverse green roof systems for flat and gently sloping roofs. For example, the lightweight system with the Biodiverse blanket Sedum-herbs can transform a roof with a more limited load-bearing capacity into a colourful roof.

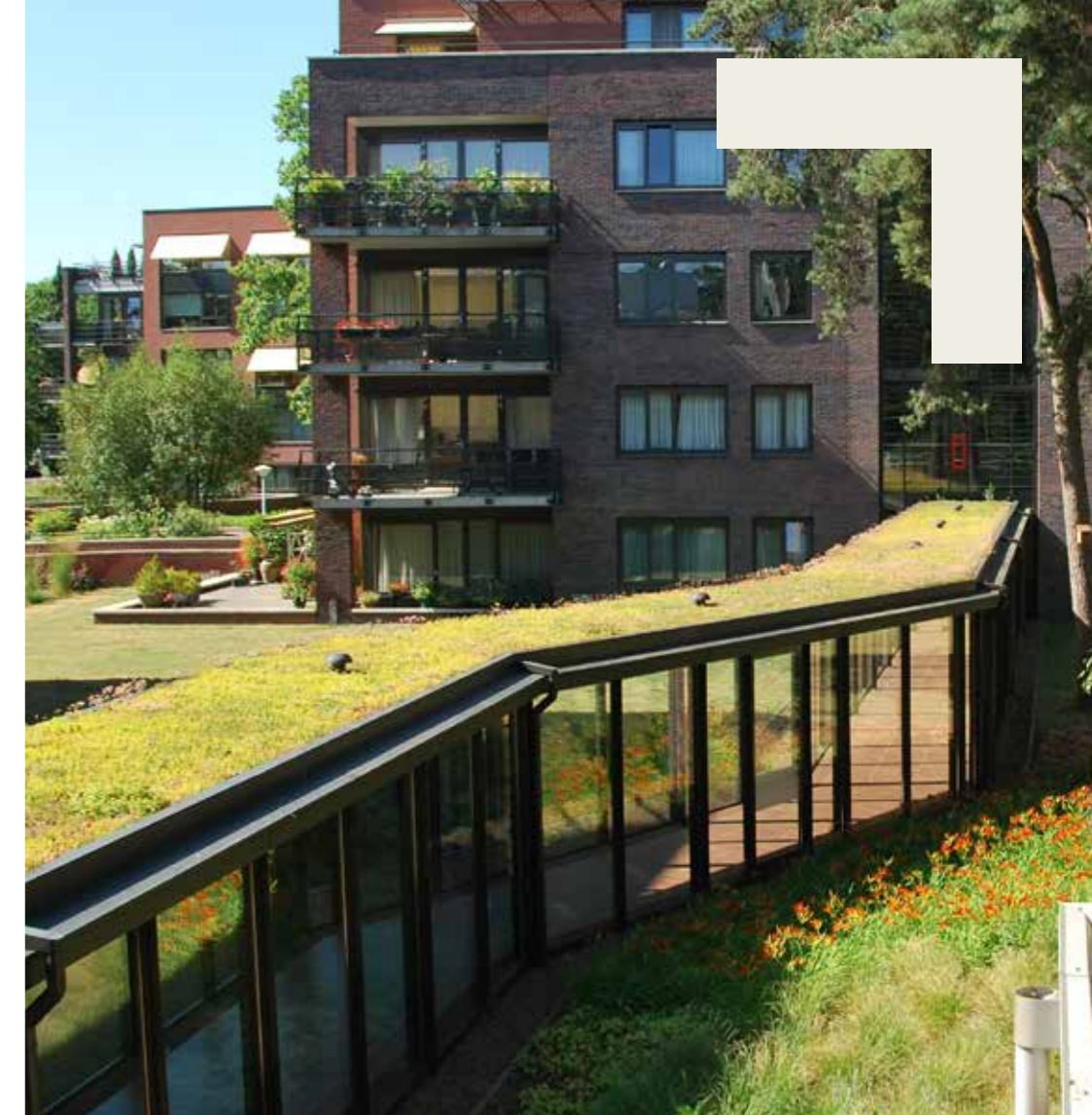
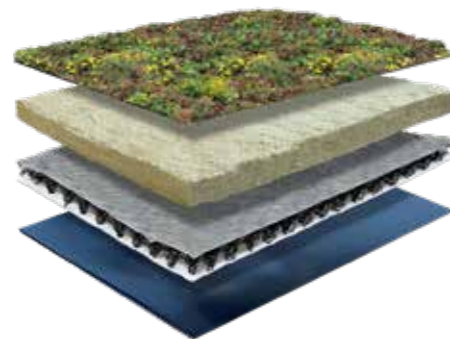
Insects can even spend their entire life cycle on a Biodiverse green roof system with Bees & Butterflies blankets. In this way you can take action against bee and butterfly mortality!



LIGHTWEIGHT ROOFS

Sometimes the support construction of a flat or shallow pitched green roof - for example of sheds or carports - requires a lightweight green roof. This lightweight solution is also very suitable for industrial buildings and distribution centers with large roof surfaces.

The installation is easy and the maintenance is minimal. Turn your grey roof into a sustainable green roof in no time and benefit from advantages such as heat regulation and extending the life span of your roof.



HEAT
REGULATING



MINIMAL
MAINTENANCE



EXTENDS LIFE
SPAN OF ROOF

GREEN CITY OF THE FUTURE

GREEN ROOF BENEFITS



CREATES FIRE-
RESISTANT LAYER



EXTENDS LIFE
SPAN OF ROOF



ADDS VALUE TO
THE BUILDING



DIRECT-GREEN

Cities are sensitive to the consequences of climate change. Extreme weather leads to floods, heat problems and poor air quality. Green measures, including green roofs, play an important role in climate-resilient building. The city of the future is undoubtedly a green city.

AIR PURIFICATION

With a green roof you contribute to air purification. The plants of a green roof filter particulate matter from the air and convert CO₂ into oxygen.

TEMPERATURE REDUCTION

Green roofs contribute to lowering the temperature in the city. Surfaces with plants warm up less quickly and store less heat. In addition, plants evaporate water, which leads to cooling of the air. This creates a cooler and more pleasant urban climate. For the indoor temperature of your building, this means that the air conditioning has to be used less, with energy saving as a result.

RAINWATER RETENTION

In order to limit the increasingly frequent floods caused by heavy rainfall, it becomes more important to use water retention on roofs. Research has shown that green roofs can store at least 50% of the precipitation in the drainage layer, the substrate and the vegetation.

Today's green roofs even go one step further by completely storing rainwater and draining it in a controlled manner. Water retention by the plants ensures a good evaporation, providing a cooling effect.





INCREASES
SOLAR PANEL
EFFICIENCY



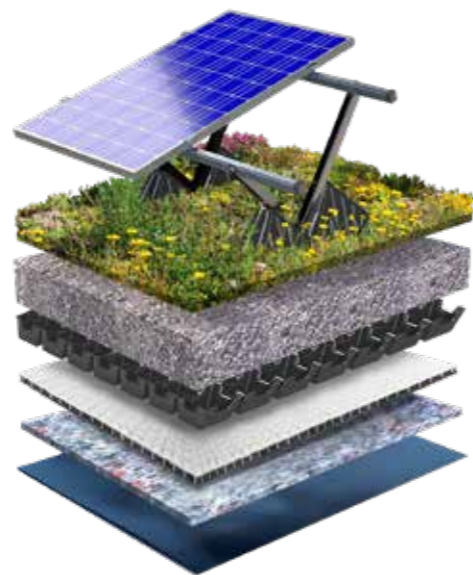
TAILORED
ADVICE



DIRECT-GREEN

These solutions consist of a green roof system combined with a universal support, the Sempergreen Solar Stand, on which almost any type of solar panel can be placed.

Its installation is simple and fast. As it is a ballasted system, it does not need to be mechanically fastened to the roof structure.



SOLAR GREEN ROOFS

The demand for renewable energy continues to grow. Combining solar panels with a green roof can increase efficiency by as much as 6 to 10 per cent. It also offers all the other benefits of a green roof at the same time! For roofs with a pitch between 0 and 5 degrees, we have developed the Solar Sedum Roof and Solar Biodiverse Roof systems.

DETENTION & RETENTION ROOFS

Due to climate change, we face extreme precipitation events more and more often. As a result, it is increasingly common for our streets to be flooded during and right after a downpour. Detention and Retention Roofs are an ideal solution to combat flooding.



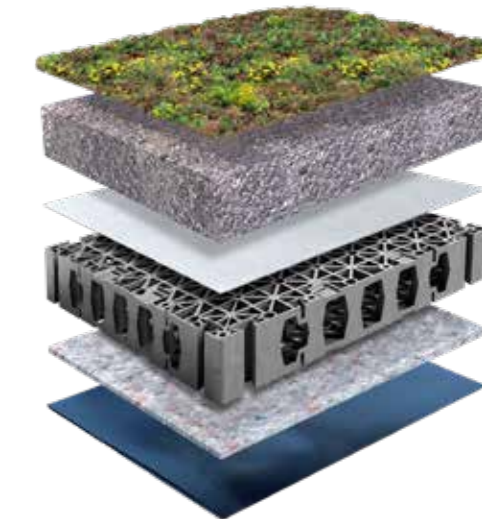
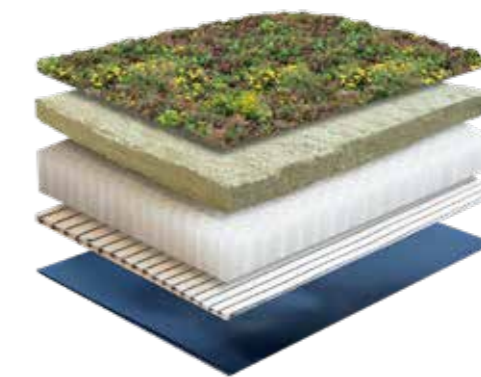
PROVIDES A
RAINWATER
BUFFER



IMPROVEMENT OF
ENVIRONMENTAL
CONDITIONS



With these systems, rain can be collected where it falls first: on the roof! Relatively lightweight and suitable for sloping roofs, the Detention roof can be used on renovation projects. A Retention roof is a versatile solution for new construction projects, and can be combined with solar panels and biodiverse vegetation blankets, for example.





A Sempergreen Biodiversity Package is an ecological addition to your green roof. This way you can increase biodiversity on your extensive green roof in a simple manner.

We offer the Biodiversity Package in two versions, Small and Large. The carefully selected products have a positive impact on the living environment of birds, bees, butterflies and other insects. They offer nesting opportunities, protection and a source of food.



INCREASES
BIODIVERSITY



EASY TO
APPLY

BIODIVERSITY PACKAGE

SEDUM TRAYS

Sempergreen Sedum trays are ready-to-use cassettes that are placed directly on the roof. Also when a lightweight application is required, a Sedum tray can offer the solution. The Sedum plants are pre-grown in the tray, so your roof is instantly green.



Sempergreen Sedum trays are available in various sizes and materials. At delivery, the trays are always at least 95% pre-grown. Moreover, the installation is very simple. Both flat roofs and slightly pitched roofs are suitable for the application of Sedum trays.



**DIRECT-
GREEN**



**EASY
INSTALLATION**



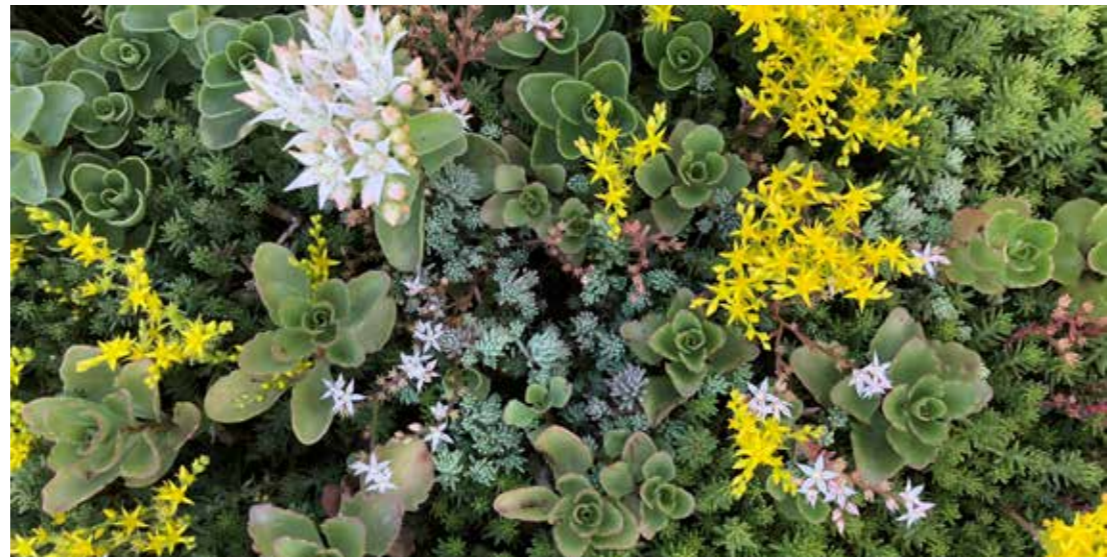
SUSTAINABLE
SOLUTIONS



KNOWLEDGE
PARTNER



TAILORED
ADVICE



PROJECT ADVICE

Sempergreen is your specialist for sustainable greening of your roof. Our expertise is based on years of experience with large and small projects worldwide. Every project and every climate is different. Our team will gladly advise you on the right system structure, tailored to the slope and situation of your roof or ground surface.

Please visit our website for more information and download specifications, technical drawings, data sheets, system structures, installation instructions and maintenance instructions.



SEDUM GROUND COVER



The Sempergreen Sedum-mix blanket is ideal as a ground covering. Median strips, roundabouts, embankments, but also cemeteries and gardens are easy to turn green with Sedum blankets. This way you create more green in the city, while maintenance is minimal.

Sempergreen is also your dedicated partner when it comes to infrastructure projects such as greening the area between tram and train tracks.



PROVIDES A
RAINWATER
BUFFER



LOW
MAINTENANCE





Sedum-mix blankets are easy to apply. The vegetation remains low, so that trams and trains can pass over them without any problems and the view of road users is not restricted. In addition, Sempergreen's green groundcover systems are low-maintenance.



**SOLUTION AGAINST
FLOODING**



**ABSORPTION
OF CO2 AND
PARTICULATES**



GREEN TRACKS

The space surrounding infrastructural projects offers the perfect opportunity for applying more greenery in the city. Besides central reservations, roundabouts and embankments, tram tracks and railway lines can also easily be made greener. Implementing biodiversity around infrastructure is important for a high-quality living environment for both humans and animals. By greening the space between railway tracks cities will become greener and a more pleasant living environment is created.

JOIN OUR MISSION TO REPLANT THE PLANET.

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