SECALFLOR PANELS – NATURAL GREEN ON YOUR ROOF

For years, the proportion of green roofs has been increasing, not only in Germany but worldwide. Formerly still a "real pioneer work", the framework conditions for green roofs in Germany have been considerably improved by government subsidies, as well as incentives in building and wastewater law. Through green roofs, previously sealed areas can be returned to the urban ecology in a new form by newly built residential and commercial buildings.

GREEN ROOFS - WHAT ARE THE BENEFITS OF GREEN AREAS ON THE ROOF?

PROTECTION OF THE ROOF COVERING

A green roof effectively protects the roof cladding from hail, UV radiation and temperature fluctuations and extends its service life.

REDUCTION OF ENERGY COSTS

A green roof cools the house in summer and stores heat in winter. It acts as a natural air conditioner and provides a pleasant climate in your 4 walls.

NO ECOLOGICAL REPLACEMENT MEASURES FOR NEW CONSTRUCTION PROJECTS

Construction measures take considerable freeflaces away from the landscape - with a green roof we give a part back. A green roof is counted towards the green area specified in the development plan.

LOWER WASTEWATER FEES

Because a green roof retains up to 85 % of the rainwater and drains it off with a time delay, the water remains in the water cycle and also saves on wastewater charges.

IMPROVEMENT OF THE LIVING AND WORK CULTURE

Green roofscapes improve the working climate in high-rise office buildings and on terrace roofs. They provide space for leisure and recreation.

HABITAT FOR ANIMALS

Green roofs provide habitat for wildlife and compensate for nature lost to sealing.

CLIMATE AND AIR IMPROVEMENT

By binding the dust and CO_2 and evaporating stored water, purification of the air and improvement of the surrounding climate are achieved.

NOISE PROTECTION

The plant's surface absorbs sound waves and thus reduces the city's noise level.

OBJECT AESTHETICS

Green oases on the roof not only visually enhance buildings, a positive overall appearance also increases the value of a property.

LOW ROOF LOADING

With our panels and the compact overall structure, a surface load of up to max. 35 kg/m² is achieved (water-saturated).

ESPECIALLY FAVORABLE

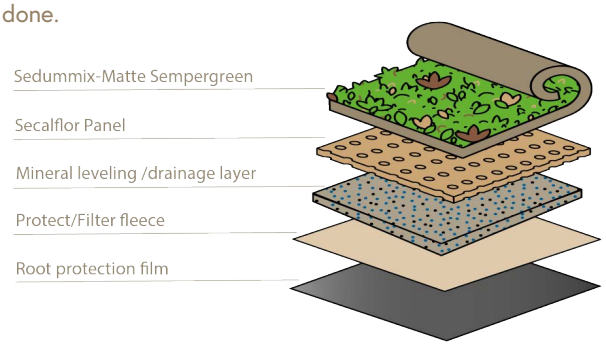
Unbeatably cheap compared to other products in the purchase and installation.

SECALFLOR TREND SYSTEM WITH SEMPERGREEN

Our Secalflor panels provide valuable biomass substrate as a basis for healthy plant growth and at the same time replace conventional drainage and storage panels made of synthetic materials. The use of synthetic materials is reduced by around 80 %. Thus, the green roof not only looks green from the outside - it is also green under the surface.
The basic structure of the intensive or extensive green roof also remains the same. For optimal water storage and a slim and low-maintenance structure, we also use the ready-made Sedummix mat from Sempergreen. This ready-made vegetation mat contains a substrate layer that promotes plant growth through nutrients and is visually appealing with a dense plant cover (95%).

STRUCTURE FOR ROOF PITCHES (>2-15°)

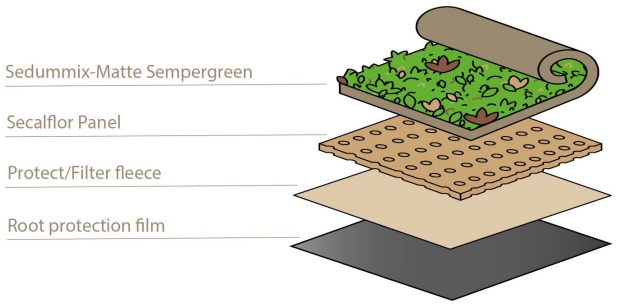
Secalflor panels offer a user-friendly and quick-to-install alternative to conventional green roof structures. First, a root protection film and a protective/filter fleece are laid on the roof waterproofing. Then the Secalflor panels are laid butt to butt (without overlap) and cut to size at the roof edges or roof drain.
The panels are very lightweight, easy to install and cut to size with a cutter knife. This simple construction provides the basis for the application of Sempergreen's pre-stretched sedummix mats. Just roll them out and you're done.



PRODUCT PHOTOS

STRUCTURE FOR FLAT ROOFS (0-2°)

In the case of flat roofs, a mineral compensation and drainage layer is also added to the structure. This is applied to the protective fleece and under the panel. Its purpose is to prevent the unintentional accumulation of water even in small depressions in the roof. This protects the sedum roots from waterlogging and prevents moss from growing.



PITCH ROOF (ÜBER 15°)

Even higher roof pitches allow the use of the panels. Secalflor panels have been tried and tested in the long term for use on pitched roofs.

To secure the vegetation layer, however, the installation of anti-shear devices should be used on roofs with a roof pitch of 10° or more that are strongly exposed to wind and rain. From a roof pitch of 20°, shear restraints are always required.