zAmbelli

RIB-ROOF System with Green Roof

EINFACH MACHEN. AUS METALL.

GREEN ROOF FOR RIB-ROOF.

The use of roofs as green spaces has long been more than just a trend. Sustainability and climate protection are important criteria when deciding on a green roof. With its innovative green roof system, suitable for the RIB-ROOF Evolution and Speed 500 metal roofing systems, Zambelli offers the optimal solution.

Green roofs are conquering the cities. Barcelona, Paris, Singapore are leading the way. Bremen, Hamburg and Stuttgart are making their first attempts to promote green roofs at the local level. Berlin follows suit with a „1000 Green Roofs"-programme for the capital. In view of major ecological problems, there is a growing necessity to create green areas in large cities. Roof surfaces are a good and easy way to make use of available areas for improving the urban climate.

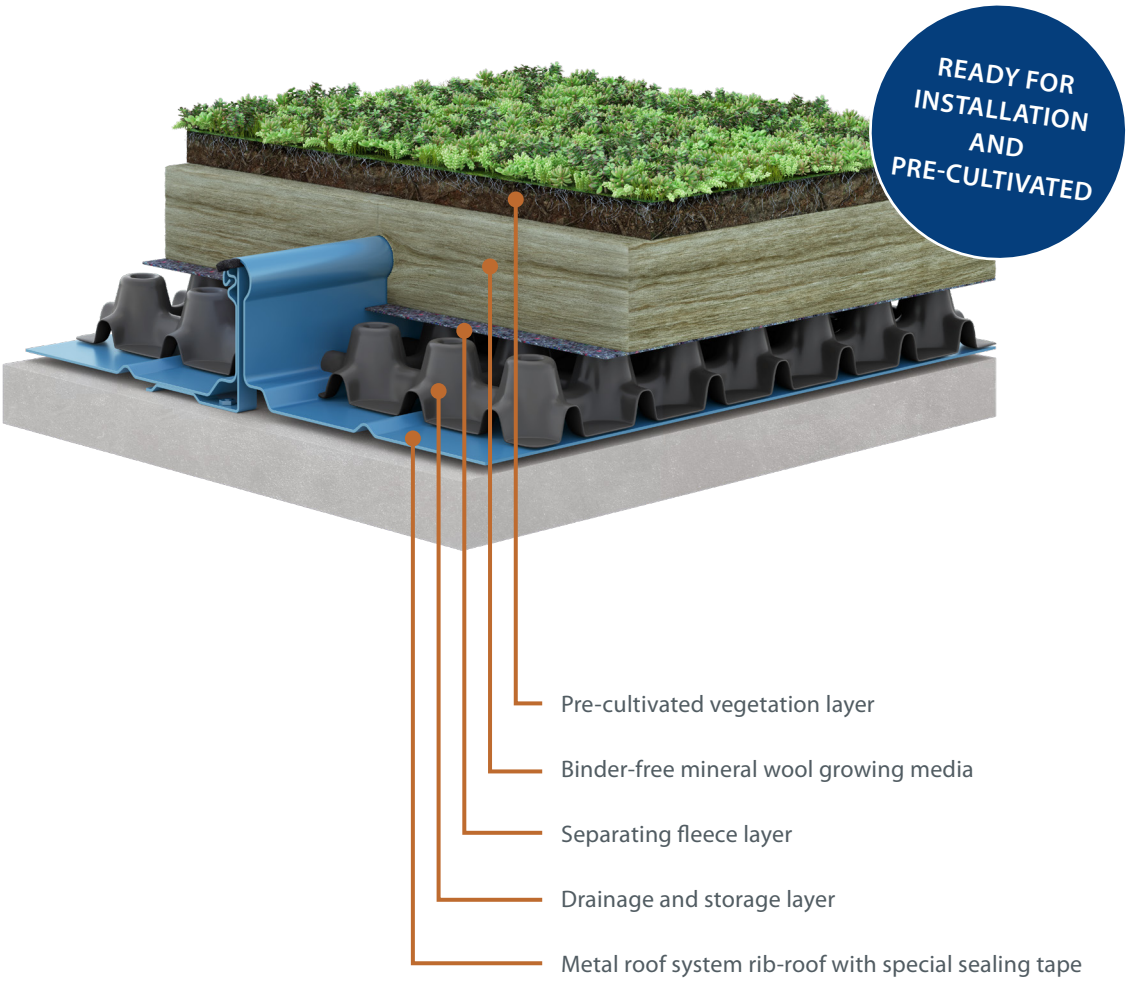
RIB-ROOF Green Roof.

Type	Extensive green roof
Compatibility	RIB-ROOF Speed 500 and RIB-ROOF Evolution
Roof pitch	can be installed from 1,5°
Weight, dry	approx. 22 kg/m²
Weight, saturated	approx. 81,5 kg/m²
Thickness	100 mm
Substrate type	growing height of Moos-Sedum 1 – 3 cm
Water retention	up to 80 %
max. water retention capacity	60 l/ m²

tested according to DIN CEN/TS 1187-1 with classification according to DIN EN 13 501-5, Broof (T3)

Complete System Green Roof: Tailor-made and ready for installation

In collaboration with KNAUFINSULATION, a leading manufacturer of insulation materials, Zambelli has developed a solution with ecological and economic advantages. The complete green roof system Urbanscape consists of several modular components fitting the width of the Zambelli RIB-ROOF metal roof profile sheets and being ready for installation. The installation takes place after the completion of the RIB-ROOF metal roof. Compared to other green roof systems this is a significant time and project advantage as the roof immediately fulfils its tasks visually and functionally.



DID YOU KNOW?

The Zambelli green roofs are planted immediately after their installation and therefore are ready for acceptance. When delivered the coverage of the green roof is already up to 95 percent.

Just a few steps to a Green Roof.

The whole installation of the green roof is planned by Zambelli. It is also factory-made and transported to a building site in a form ready for installation (inculding technical support).

Zambelli also offers trainings for installation of the green roof system.

1

Sweep the RIB-ROOF profiled sheets.

2

Install the drainage and storage layer tightly butted without overlapping and with the holes facing upwards. Ensure that the edges of the drainage and storage layer are positioned under the RIB-ROOF profiled sheet seams.

3

Roll out the filter fleece crosswise to the roof pitch over the drainage and storage layer.

4

Roll out the Green Roll growing media tightly crosswise to the drainage and storage layer. Leave out the gravel strips or areas. Cut the Green Roll growing media to size if required. Thoroughly water the Green Roll growing media. Apply Urbanscape slow-release fertiliser evenly on the surface (approx. 30 - 35 g/m²).

5

First align the Sedum Mix vegetation layer, then roll it out carefully and tightly crosswise to the Green Roll growing media. If necessary, cut the Sedum Mix vegetation layer to size using scissors or a utility knife with a hooked blade. Ensure that the Sedum Mix vegetation layer covers the entire Green Roll growing media.

HINWEIS

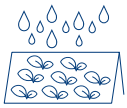
Thoroughly water the entire system (Vegetation layer & Green Roll).

- Premium systems (40mm Green Roll): approx. 49 l/m²
- Standard systems (20mm Green Roll): approx. 37 l/m²

Observe the service & maintenace instructions:

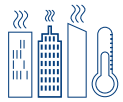
download.zambelli.com

It is worth having it green.



Rainwater management

Rainwater runoff is reduced and held up by the Zambelli green roof. This leads to a reduction of the construction costs as for example no rainwater retention basins are necessary.



City temperature reduction

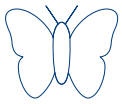
In cities the air temperature in summer is about 5 to 7° degrees Celsius higher than in rural areas. The Zambelli Green Roof is one of the most effective ways to reduce heating of city centers.

Extended service life of the roof covering

The Zambelli green roof can extend the service life of a roof 3 times its normal life. The additional green roof construction protects against mechanical damages, UV rays and extreme temperatures.

Reduction of energy consumption

Green roofs reduce heating costs by up to 25 % and costs for a room cooling are reduced by 75 %.



Living space suitable for humans and animals

Green roofs manifest indispensable value in the urban space. They can be used as a recreation area as well as an additional living space for various animal and plant species.

CO_2-reduction

Zambelli green roofs make a significant contribution to the reduction of CO_2. 1 m^2 of the green roof can absorb approximately 5 kg of CO_2 per year.

Clean air

The installation of green roofs contributes to absorption of fine dust, smog, heavy metals and volatile, organic compounds from the air. The quality of the air improves considerably.

Low maintenance effort

Green roofs require little maintenance. Maintenance measures (mowing of vegetation, fertilizers, controls) are to be carried out only once to three times a year.

High fire resistance level

The complete Zambelli system is characterized by its high fire resistance.

Noise reduction

Green roofs isolate the noises and therefore lead to quieter living spaces.

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