



ZinCo Press Release

Vertigreen® Façade Greening for indoors and outdoors

ZinCo Green now growing on façades

As is the case with green roofing, façade greening also provides considerable potential for improving the environment we live in. Particularly in high-population areas with a lack of green space, the vertical area greened is often greater than the actual built area.

There are a number of angles to any decision on the part of the client or planner in favour of facade greening; the façade is an aesthetic design element that also implements innovative functional concepts and architectural accents; it represents a commitment to the environment while also fulfilling local authority requirements.

Classic façade greening using climber plants is well known everywhere. ZinCo is now offering a new approach that is based on growing the vegetation directly on the façade. With Vertigreen®, the façade itself is the vegetation area. This allows for a green area that is flexible in terms of dimensioning and design freedom, providing long-term greening success, as we have always been used to from ZinCo systems.

And this is how Vertigreen® works

Vertigreen® is based on as simple an installation as possible, along the lines of a “rear-ventilated, cladding façade”. Brackets mounted on the wall hold the girder profiles and the aluminium panels fixed to the profiles. If required, thermal insulation



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is inserted in between. In the case of this type of building, the intervals between the girder profiles are calculated according to the overall structural requirements of the building and are not dependent on the module size, as is otherwise very often the case. The modules themselves are mounted using a special foam material, which is used for flat, rear irrigation. The vegetation is generally established directly on the façade, which is almost completely covered after only three to four months. Selective pruning and appropriate care will help to maintain an appealing appearance. With Vertigreen[®], a sophisticated electronically-controlled system is responsible for fertigation, which refers to the simultaneous supply of water and nutrients to the plants. This patented irrigation system ensures that there is no over supply to modules located in the shady part at the foot of the wall and no under supply to the more strongly desiccating modules further up the wall. For example, the water reservoir is sufficient to ensure that even at the height of summer irrigation is only required every second day.

A superb choice of plants – consistent greening success

The key to long-term successful greening is to plan separately for each individual building, which also requires a precise evaluation of the prevailing lighting and climate conditions. With the ZinCo system, the client and the planner can basically choose between two types of plant, depending on taste, provided the structural requirements are fulfilled.



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Vertigreen® “Carpet” provides a flat and, therefore, carpet-like appearance thanks to the use of drought-resistant sedum types. The build up thickness is only 6 cm from the aluminium panel.

Vertigreen® “Ornamental” facilitates the growth of suitable perennials or even small trees, with a build up thickness of 8 cm. This allows for the creation of well-formed, vertical green areas that are visual highlights.

Whatever the option chosen, façade greening is far more than just a welcome eye catcher in our cityscapes. Greening also stands for building protection and sound and thermal insulation in addition to improved air quality and cooling.

Vertigreen® does all that – consistently and safely!

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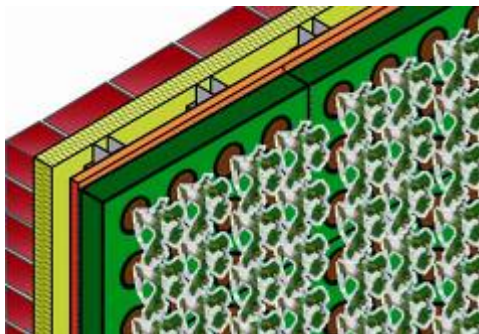
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File name: Verti_7.jpg

Caption:

The Vertigreen® system is based on simple installation and safe irrigation resulting in long-term successful greening.



File name: Berkel.jpg

Caption:

As the façade itself is the vegetation area, the greening can be freely dimensioned and designed.

Life on Roofs



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File name: P1000255.jpg

Caption:

The Vertigreen® system is available in the versions "carpet", providing a carpet-like appearance (on the right of the photo) and "ornamental", providing flexibility of design (on the left of the photo)