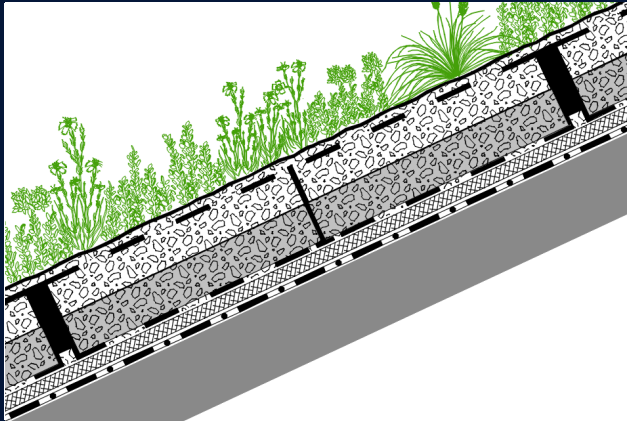


# SYSTEM DATA SHEET

## “STEEP PITCHED GREEN ROOF” WITH GEORASTER®



Height  
mm



120

Build-up height:	ca. 120 mm
Weight, at max. water capacity (without plants):	ca. 155 kg/m <sup>2</sup>
Water storage capacity (slope-dependent):	ca. 64 l/m <sup>2</sup>

### SYSTEM BUILD-UP

Dense planting in line with the plant list “Pitched/  
Steep Pitched Green Roof”; if roof pitch  $\geq 30^\circ$ :  
Vegetation Mat “Sedum Carpet”

Infill with System Substrate “Heather with  
Lavender-Light”  
(ca. 10 mm above Georaster®-Elements)

Georaster®-Elements

Protection Mat WSM 150

Roof construction with root resistant  
waterproofing

### DESCRIPTION/COMMENTS:

- Visually appealing pitched green roof build-up for roofs with an inclination of  $20^\circ$  to  $35^\circ$  and a root resistant waterproofing.
- Pitched green roofs require regular maintenance. Depending on the building location, pitch and exposure, an additional irrigation may be required.
- The vegetation can develop in different ways depending on the exposure; especially on roofs at higher pitches interesting differences between the north and south facing surfaces appear with time.
- The Georaster®-elements derive shear forces safely into a stable eaves edging or additional shear barriers.
- Georaster® elements are generally planted with at least 28 plug plants per m<sup>2</sup>. Therefore, there are at least 2 plants in each field of the element. Additional perennials for visual highlights as per the plant list “Pitched/Steep Pitched Green Roof” are possible.
- Please note: the build-up described above is suitable for the moderate continental climate of Central Europe. For other climates certain adaptations might be necessary.
- A root resistant waterproofing is a precondition for a green roof; additional root barriers cannot be applied on sloped roof surfaces!
- The indicated weights do not include the weight of the vegetation, see [Info Sheet Green Roof Ballast](#).

#### Measures depending on the roof pitch:

$\geq 30^\circ$ : It is recommended to use precultivated vegetation mats instead of planting! This may also be useful if immediate “Green” is required or the vegetation can only be applied late in the year.

$\geq 35^\circ$ : Here usually project-specific greening solutions are possible, which are to be elaborated in consultation with the Zinco Technical Department.

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