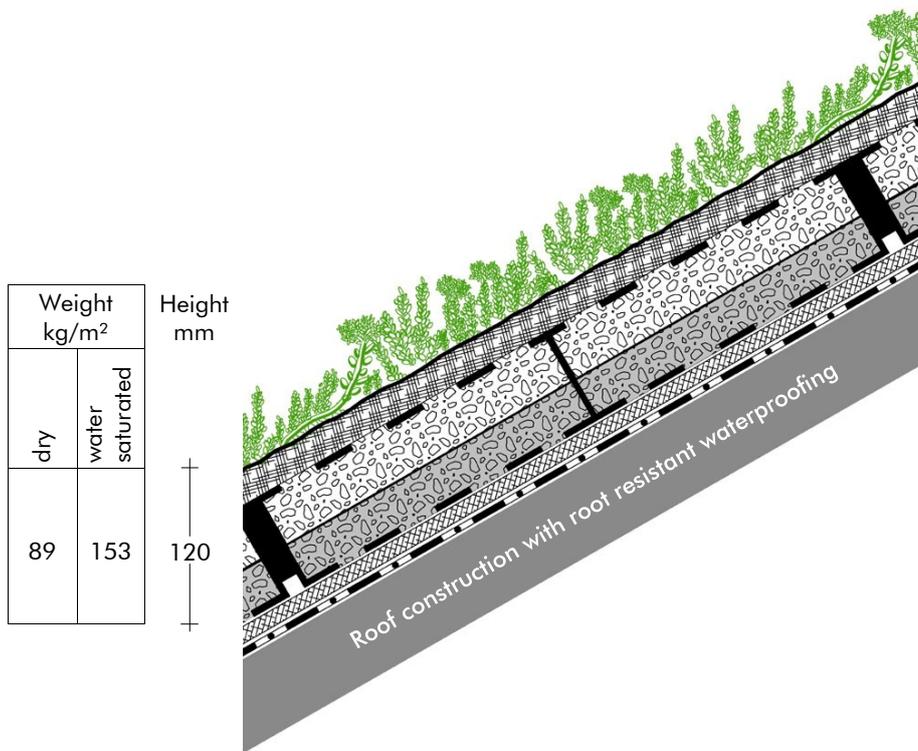


System Data Sheet

“Steep Pitched Green Roof” with Georaster®



Vegetation Mat “Sedum Carpet”

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

Georaster®-Elements

Protection Mat WSM 150

Build-up height:	ca. 120 mm
Weight, saturated (without plants):	ca. 155 kg/m ²
Water storage capacity (slope-dependent):	ca. 64 l/m ²

Description/Comments:

- Visually appealing pitched green roof build-up for roofs with an inclination of 20° to 35° 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.

Measures depending on the roof pitch:

- ≤ 25°: Planting can alternatively be carried out with plug plants according to the plant list “Rockery Type Plants”, using the System Substrate “Rockery Type Plants”. Instead of the Protection Mat WSM 150, with its high water storage, the Protection Mat BSM 64 can be applied.
- ≥ 30°: From this roof pitch on only pre-cultivated Sedum vegetation mats are to be used (ca. 16–20 kg/m² in addition).
- ≥ 35°: Here usually project-specific greening solutions are possible, which are to be elaborated in consultation with the ZinCo Technical Department.

- 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](#).

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