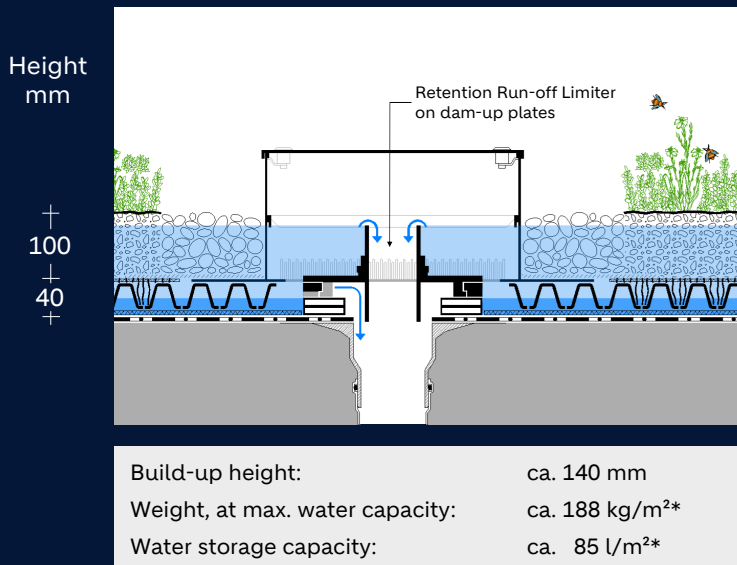


SYSTEM DATA SHEET

“SPONGE-CITY-ROOF” TEMPORARY RETENTION, MAXIMIZED WATER STORAGE, INCREASED EVAPORATION

EXAMPLE: “BEE PASTURE” WITH FLORADRAIN® FD 40-E



SYSTEM BUILD-UP

Vegetation:
Seed mixture “Bee Pasture”

System Substrate “Rockery Type Plants”,
ca. 100 mm
Wicking Mat DV 40
Floradrain® FD 40-E
(diffusion voids facing downwards)
Filter Sheet PV

Temporary water retention
Volume

Periodic plant available
Water accumulation

DESCRIPTION/COMMENTS:

- Near-natural stormwater management: The System Build-up combines the advantages of an insect-friendly, biodiverse extensive green roof with an additional water storage and a temporary retention volume with controlled-flow roof drain.
- The lower part of the water accumulation volume is made available to the plants through the Wicking Mat by capillary action.
- In the upper part of the water accumulation volume stormwater is built up to a predetermined depth and drains at a desired rate.
- The vegetation develops dynamically depending on the precipitation distribution throughout the year. We recommend to have the suitable maintenance of completion and maintenance of development done by a specialised contractor.
- A roof surface without inclination is a precondition for this System Build-up.
- Additional irrigation may be necessary in summer during long periods of drought.
- Depending on the region, the accumulated water shall be drained during the winter months and restored at the beginning of the following vegetation period.
- The fall protection device “Fallnet®” can be integrated into the build-up.
- If the waterproofing is not root resistant an additional root barrier is required: Root Barrier WSF 40
- The indicated weights do not include the weight of the vegetation, see [Info Sheet Green Roof Ballast](#).

*including max. periodically plant-available water accumulation (3 plates each 13 mm) and max. temporary retention volume up to 20 mm below substrate surface.

Further notes according to the FLL-Green Roof Guidelines, chapter 9.3.5 “Additional Retention Performance”.

Zinco GmbH

Lise-Meitner-Strasse 2 | 72622 Nuertingen | Germany
Phone +49 7022 6003-0 | info@zinco-greenroof.com | www.zinco-greenroof.com

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