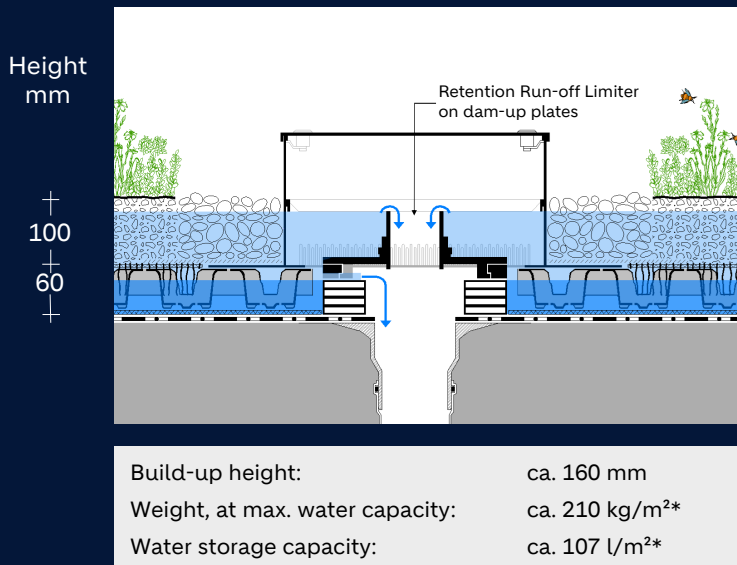
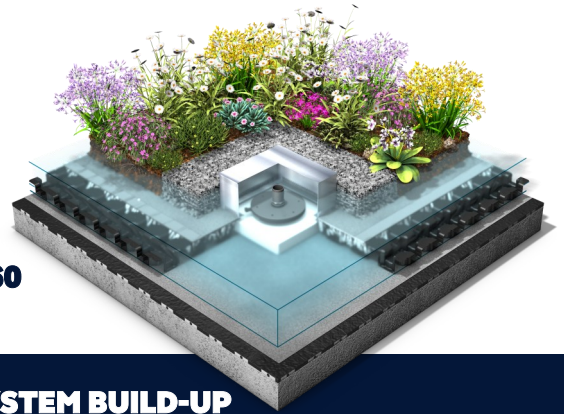


SYSTEM DATA SHEET

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

EXAMPLE: “BEE PASTURE” WITH RETENTION SPACER RS 60



SYSTEM BUILD-UP

Vegetation:
Seed mixture “Bee Pasture”

System Substrate “Rockery Type Plants”,
ca. 100 mm

Wicking Mat DV 40
Retention Spacer RS 60
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 (4 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”.

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Subject to technical alterations and printing errors • First edition 03/2023; Revised 10/2024

