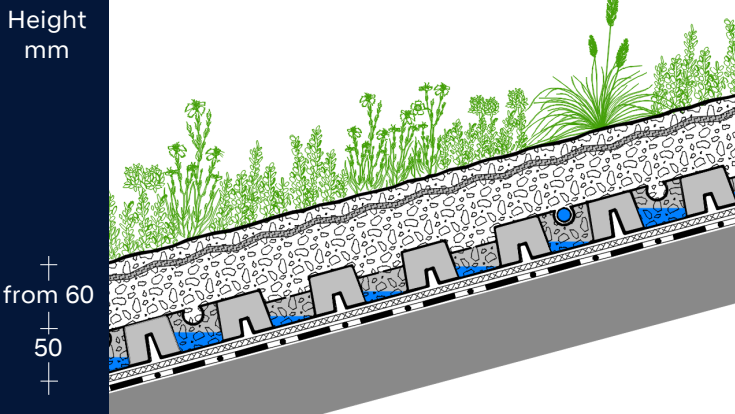


SYSTEM DATA SHEET

“PITCHED GREEN ROOF” WITH SLOPETEC® ST 45



Build-up height:	ca. 110-120 mm*
Weight, at max. water capacity:	ca. 130-144 kg/m ² *
Water storage capacity:	ca. 41-45 l/m ² *

SYSTEM BUILD-UP

Plug plants according to plant list “Pitched Roof”

System Substrate “Rockery Type Plants”, from 60 mm above the SlopeTec® elements

SlopeTec® ST 45 with Dripperline 100 L-1

Protection Mat SSM 45

Roof construction with root resistant waterproofing

DESCRIPTION/COMMENTS:

- Low-maintenance green roof build-up for roofs with an inclination up to 20°*, applicable on surfaces with a root resistant waterproofing.
- The SlopeTec® ST 45 elements laid on the entire roof surface ensure good interlocking with the substrate and prevent its erosion.
- Additional erosion control is provided by the coarse-meshed jute net JEG for roof pitches > 15° or in case of strong wind exposure.
- The elements derive shear forces safely into a stable eaves edging or additional shear barriers, a static calculation is necessary.
- Irrigation can take place via special dripperlines which are easily installed by “clipping” them into special holders in the division bars of the ST 45 elements.
- The build-up is resistant against flying sparks and is considered to be a “hard roof” providing fire protection in accordance to German Standard DIN 4102, part 7.
- Please note: the build-up described above is suitable for the moderate continental climate of Central Europe. For information on possible adaptations for other climates please contact the Zinco Technical Department.
- 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](#).

Roof slope:	up to 15°*	15–20°*	
	(with 60 mm substrate)	(with 70 mm substrate)	
Build-up height:	ca. 110	ca. 120	mm
Weight, at max. water capacity**:	ca. 130	ca. 144	kg/m ²
Water storage capacity:	ca. 41	ca. 45	l/m ²
Filling volume:	ca. 27	ca. 27	l/m ²

* for roof slopes \geq approx. 10° the (roof) area must be solidly enclosed.

** additional weights of the vegetation.

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