

## SAFETYPRO GREENSEC HORIZONTAL LIFELINE

June 2022



### DESCRIPTION

Ballasted fall protection system for green roofs or gravel roofs, ensures the safety of people working at heights.

### APPLICATION

The SafetyPro greenSec single fall protection system for extensive and intensive green roofs or gravel roofs up to 7° or 5°. Can be installed with a ballast layer from 75 kg/m<sup>2</sup> or 80 kg/m<sup>2</sup>.

### PERFORMANCE

#### Forces according to EN 795:2012

Static	12+2 kN
Dynamic	9+1 kN
only with PPE EN363	6 kN (max)

### BENEFITS

- ✓ Users have the maximum freedom of movement, the traveller slides freely along the cables and anchor posts
- ✓ Waterproofing layer remains intact as the system does not require any mechanical fixation to the roof structure
- ✓ Thermal bridge-free solution as fixation elements are not necessary for installation
- ✓ All system components are made of high quality corrosion resistant materials
- ✓ Simplified and reduced amount of components, same post for all positions, no additional corner elements
- ✓ Ideal for building refurbishment, can be installed on already existing waterproofing without drilling the waterproofing membrane
- ✓ Easy reassembly after vandalism, misuse and unforeseen environmental damages
- ✓ Tested in accordance with European standards EN 795:2012 and CEN/TS 16415:2013

### SPECIFICATIONS

Property	Unit	Value
Geotextile size	cm	300 × 300
Base disc diameter	cm	55
Maximum roof angle	°	greenSec: 7 / greenSec-E*: 5
Maximum post distance	cm	750
Material		composite sandwich, stainless steel
Maximum number of users	person	1+1
Recommended roof layer weight	kg/m <sup>2</sup>	greenSec: 75 / greenSec-E*: 80
Minimum roof size	cm	450 × 450
Recommended distance to roof edge	m	2,5

All dimensions are nominal

\*only in Germany



#### System documentation

The SafetyPro system documentation is the normative when installing the system.



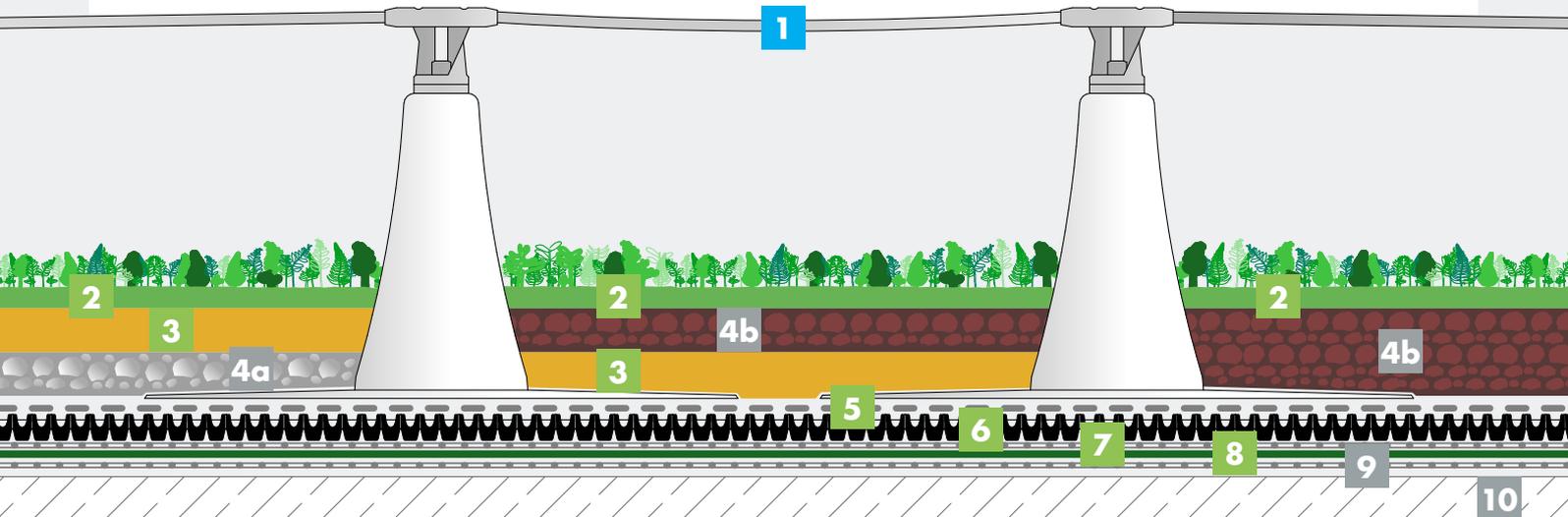
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### BUILD-UP



- 1** SafetyPro greenSec horizontal lifeline
- 2** Urbanscape® Sedum-mix Blanket
- 3** Urbanscape® Green Roll
- 4** Ballastmaterial ( **4a** gravel, **4b** substrate)
- 5** Urbanscape® Geotextile 110
- 6** Urbanscape® Drainage with buffer
- 7** Urbanscape® Geotextile 300-REC
- 8** Urbanscape® Root Membrane USRM500\*
- 9** Waterproofing membrane
- 10** Roof base structure

\*Optional

### COMPONENTS



SAFETYPRO GREENSEC  
PLATFORM ELEMENT



SAFETYPRO WIRE  
ANCHOR HEAD SET



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