

## SAFETYPRO GREENSEC ANCHOR DEVICE

June 2023



### DESCRIPTION

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

### APPLICATION

The SafetyPro greenSec fall protection system for extensive and intensive green roofs or gravel roofs up to 7° or 5°. Can be installed as a single point fall protection system with a ballast layer of 75 kg/m² or 80 kg/m²\*.

### PERFORMANCE

#### Forces according to EN 795:2012

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

### BENEFITS

- ✓ 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
- ✓ Can be used with temporary cable as a horizontal lifeline system
- ✓ Ideal for building refurbishment, can be installed on already existing waterproofing without drilling the waterproofing membrane
- ✓ Applicable for mountainous regions with high snow fall possibility
- ✓ 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        |
| Material                          | -      | composite sandwich, stainless steel |
| Maximum number of users           | person | 1+1                                 |
| Recommended roof layer weight     | kg/m²  | 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.



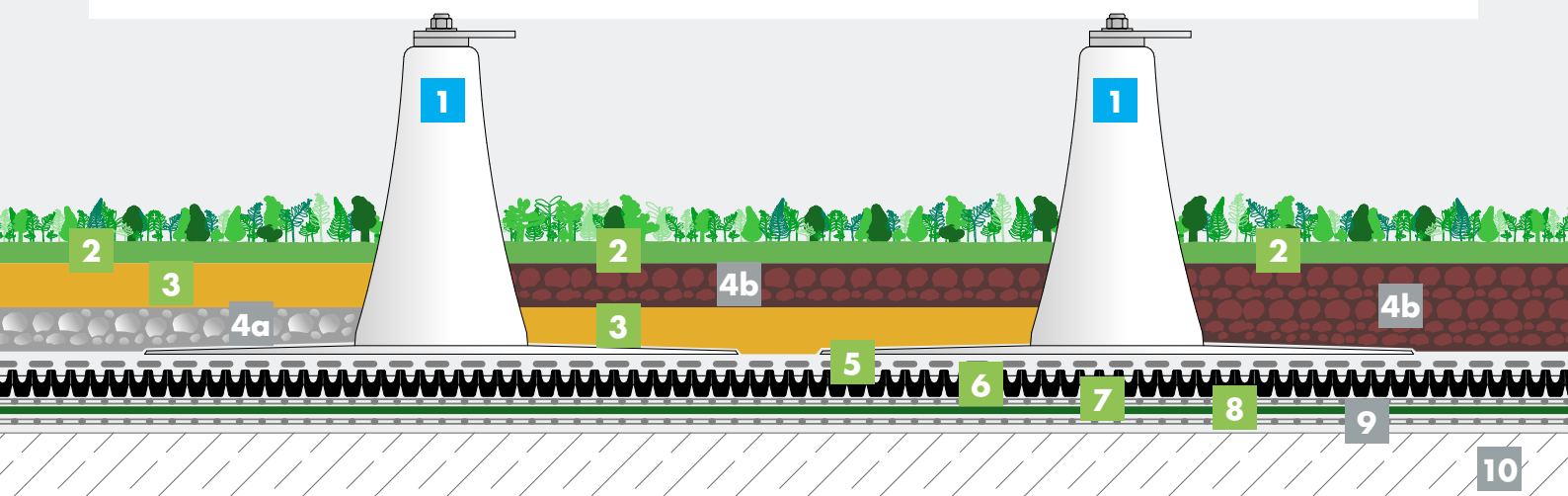
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## BUILD-UP



- 1** SafetyPro greenSec anchor device
- 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 ANCHOR POINT HEAD  
AND CONNECTOR SET

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