

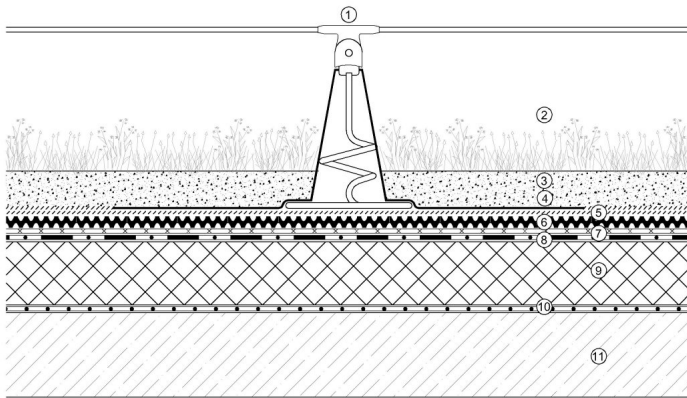
# DiaSafe Fall Protection System mod. GLIDE

130100

Ballasted Fall Protection System, which ensures unhindered movement along the lifeline

## KEY FEATURES

- The Gliders assure unhindered movement along the lifeline
- No thermal bridges - Fasteners are not necessary for installation
- Ballasted - Fixed without penetrating the waterproofing membrane
- Corrosion proof - Can be installed in coastal regions with salt exposure and industrial areas affected by acid rain
- Multi-user system - In certain conditions multiple persons could use the system
- Low load requirements - from 30 kg of ballast weight per square metre



(1)Glider post head, (2)Vegetation, (3)Growing media, (4)DiaSafe damping plate with integrated damping mat, (5)VLF-150/200 filter layer, (6)DiaDrain-25H flow-delay retention board, (7)VLU-300/500 mechanical protection layer, (8)Root resistant waterproofing membrane, (9)Thermal insulation, (10)Vapour control layer (11)Roof construction



## APPLICATION

The Glide modell, of the DiaSafe ballasted fall arrest system is designed, tested and manufactured to assure unhindered movement along the lifeline on the roofs of ballasted structures, eg. green roofs. It may be used both as fall arrest or fall restraint systems. Since the system is not penetrating the structure, it has its special benefits at remodeling where occasional maintenance access is required for flat-, or low pitched roofs. This system can assure the safety of multiple workers.

## SPECIFICATION

CE-marked ballasted safety system against fall, standard EN 795:2012, class A and C certified, as fall arrest or fall restraint system. The gliders assure unhindered, and continuous movement along the lifeline. Installed without penetrating the waterproof membrane, with stainless steel cable (8 mm) followed by the construction documents. System components are "Amoeba"-shaped damping plate, with a fibreglass laminated cone and laminated ballasting mat, in signal-green colour, with height-marking lines for assisting measurement of ballast material in dry conditions at 80 kg/m<sup>2</sup> distributed evenly over the whole ballasting mat surface. All metal accessories made out of 1.4404 (316) stainless steel, resistant to acid rain in industrial regions and salt air in coastal regions. The system supplied as fully-functional device ready for immediate professional installation according to the approved implementation plan and laid out using guidelines provided by the manufacturer.



## TECHNICAL DATA

Max. roof slope:	5°
Integrated safety damping mat: (m)	3x3
Min. loading weight/post in case of 3x3 m ballasting mat: (kg/post)	720/1800
Min. ballasting weight in case of 3x3 m ballasting mat: (kg/m <sup>2</sup> )	80/200
Max. number of users:	See installation documents
Distance between posts: (m)	1,5-8
Max. tensile stress on the roof insulation, in case of standard: (N/mm <sup>2</sup> )	0.00155
Maximum deflection of the system in case of fall: (m)	2,38
Min. distance from the edge of roof : (m)	1,5
Cable properties:	8 mm Stainless steel 1.4404 (316)
Frequency of system inspection:	annually

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Green Up the Roof!