

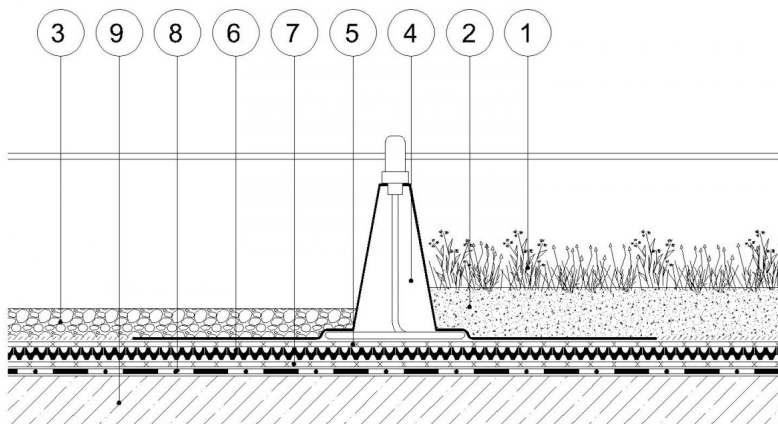
DiaSafe-Line-System "Multi"

Safety-line fall protection system with multiple anchor points.

130098

KEY FEATURES

- Elimination of Thermal Bridging
- Ballasted Method - the system is fixed without penetrating the roof.
- Corrosion Resistant - It can be installed in coastal regions or in industrial areas
- Multi-user system - This system accommodates multiple users simultaneously
- Low load requirements - from 16.5 lbs ballast weight per square feet



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



APPLICATION

When using DiaSafe-Line-System "Multi", the carabiner of the lanyard is always connected to the steel cable - never directly to the post - allowing freedom of movement for users as the carabiner may move freely between posts without disconnecting and reconnecting the lanyard. This system is able to protect the safety of multiple users at a time, as long as only one person is attached to every second section (one section between two users must be left unused).

SPECIFICATION

CE-marked ballasted safety system against fall, standard EN 795:2012 (valid since 31.01.2013), class A and C certified, as fall arrest or fall restraint system, installed without penetrating the water membrane, with stainless steel cable (5/16") parallel with the parapet wall, incl. all accessories made of 1.4404 (316) stainless steel, resistant to acid rain in industrial regions and salt air in coastal regions and with "Amoeba"-shaped damping plate, with a fiberglass laminated cone and laminated ballasting mat, in signal-green color, with height-marking lines for assisting measurement of ballast material in dry conditions at 16.5 lbs/sf distributed evenly over the whole ballasting mat surface, supplied as fully-functional system 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
Minimum loading weight/post in case of standard ballasting mat: (kg/post)	720
Minimum ballasting surface weight/m2 in case of standard ballast: (kg/m²)	80
Max. number of users:	unlimited if two posts between users
Distance between posts: (m)	1,5-8
Tensile strength of the wire rope: (kN)	33,4
Max. tensile stress on the roof insulation, in case of standard: (N/mm2)	0.00155
Maximum deflection of the system in case of fall: (m)	2,38
Min. distance from the edge of roof : (m)	2
Frequency of system inspection:	12 monthly

Reviewed: 2023-10-31 13:57:02



DIADEM USA, Inc.
8795 SW Tualatin Sherwood Rd #1005, Tualatin, OR 97062
info@diademusa.com • www.diademusa.com



Green Up the Roof!