

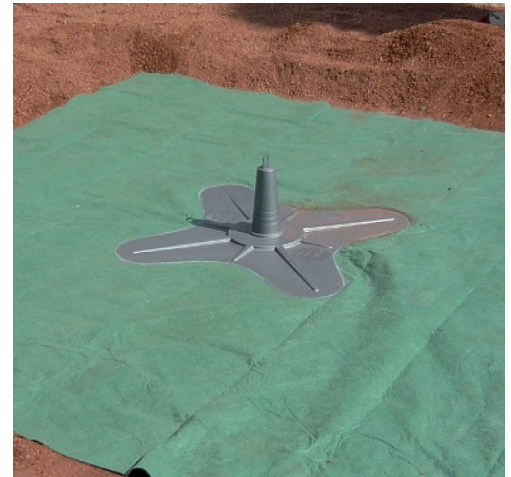
DiaSafe-Single-System "Solo"

Fall protection system with single anchoring point

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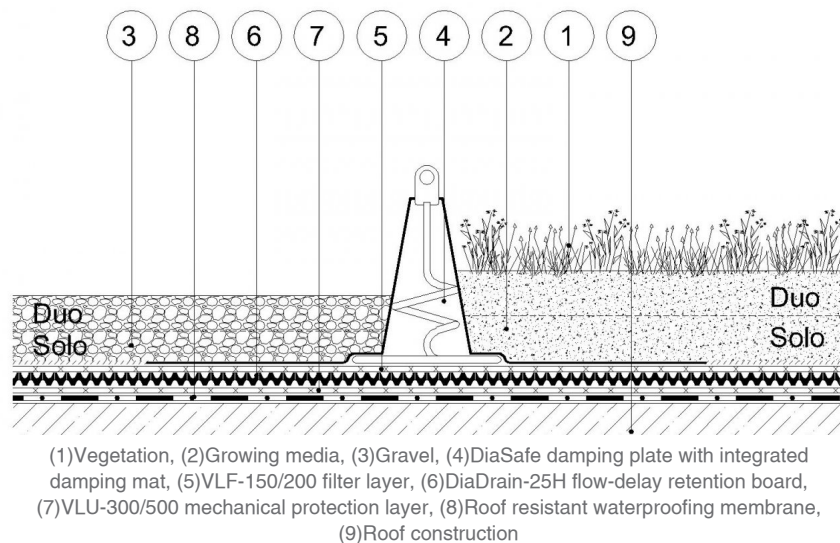
KEY FEATURES

- No thermal bridges - Junction elements are not necessary for installation
- Ballasted - May be 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 - The system can anchor one or two people if ballast weight is increased
- Flexible - Same system can be used for roof installation and subsequent maintenance work



APPLICATION

For ensuring the safety of one ("Solo") or two ("Duo") people working at height on flat roofs with up to 5° incline. The anchor point is the circular opening on the top of the stainless steel post and the user attaches the carabiner of the personal safety rope system directly to this post. Care must be taken during use to ensure that the rope is always taut, as detailed in the user manual.



SPECIFICATION

CE-marked ballasted safety system against fall, for one ("Solo") or for two ("Duo") persons, standard EN 795:2012 (valid since 31.01.2013) for "Solo", and CEN/TS 16415:2012 for "Duo", class A certified, as fall arrest or fall restraint system, installed without penetrating the water membrane, with "Amoeba"-shaped damping plate, with integrated DS-Single energy-absorbent anchor post of 1.4404 (316) stainless steel that is resistant to acid rain in industrial regions and salt air in coastal regions, 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/m² for "Solo" (with additional FGT-180 ballasting mat from 30 kg/m² or 200 kg/m² for "Duo" 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 (Solo), 1800 (Duo)
Minimum ballasting surface weight/m ² in case of standard ballast: (kg/m ²)	80 (Solo), 200 (Duo)
Max. number of users:	1 (Solo), 2 (Duo)
Maximum deflection of the system in case of fall: (m)	0,76 (Solo), 0,89 (Duo)
Max. tensile stress on the roof insulation, in case of standard: (N/mm ²)	0.00155
Min. distance from the edge of roof : (m)	2
Frequency of system inspection:	12 monthly
Material of anchor post:	Stainless steel 1.4404 (316)
Material of ballasting mat:	Polypropylene

Reviewed: 2014-04-30 08:54:44



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



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