

FLG-Line-30.1-C line system

Self-Ballasted, Dynamic Fall Arrest system for roofs up to a 5% slope.
#130096



Manual

■ Green up the roof!



Application:

The Diadem FLG Dynamic Fall Arrest System represents the first introduction of this class of dynamic fall arrest systems in the United States. This methodology has been proven over years of experience in Europe and offers a practical means of achieving a safe operating environment for green roof maintenance workers when used as directed.□

The advantages of this system include the fact that it does not require any attachments to the structural deck or waterproofing. It relies entirely on the dry dead weight of the green roof and friction stresses to resist a fall, consequently it could be used on every roof decks where the load bearing capacity is present, but no solid structures are available around .

Installation instructions:

Installation of the FLG can be accomplished only if based on a construction plan adapted to the building by certified contractors. Anchor posts should be placed according to the installation plan. In general they are placed on the drainage layers. Damping plates are laid on anchor posts so that the longer sides of the plates are perpendicular to the cable. The pulling mats come folded in half. Roll-out of the pulling mats follows along the anchor posts with the folded edges closest to the posts. Next, make half holes at the edge of the mats by the post locations. When the mats are unfolded there is a complete hole for each post in the middle of the mat. After perforating and unfolding the mats along the anchor post line, anchor posts can be pushed through. Finally, pulling mats are smoothed out and made wave- and crumple-free. On the surface covered by the pulling mat there is no need for a filter layer. The 2'x2' FGT-180 washers should be placed on every anchor post and stapled down to the damping plate. After that comes installation of the ballast layer with a dry surface mass of at least 16.4 lbs/sqf. Care should be taken to avoid excessive foot traffic in this area, so as not to compact the growing media beyond normal installation levels. Next is the placing of locking heads and stainless steel cable. The cable has to be terminated with cable clamps at the end posts. The span lines should be tightened until there is no sagging over 1 inch. The last installation step is tightening the screws on top of the locking heads. Then comes the final inspection of the system, for which a record of starting operations like system measurements, is to be filled out.

Installation Tools:

Hammer, 3/4" puncher, underlay plank fork wrench #10 and hex-wrench keying #8

Installation Photos:



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