FLG-30 line system

Fall arrest system for roofs up to a 5% slope with stainless steel anchor posts that are not mechanically fixed to the building structure.

#130085

Manual

Green up the roof!

Application:

FLG fall arrest systems can be built in on any green roof with a slope of up to 5%. The wet friction coefficient between any layers of the build up shouldn't be less then mju 0.5. These systems are certified for use with Diadem growing media, and are based on the proportion of 16.385 lbs/sqf dry weight. If the system is also utilized for lightning conducting, the plan should be reviewed by a lightning protection expert.

Installation instructions:

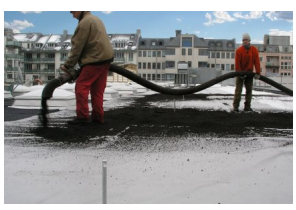
Installation of the FLG can be accomplished only if based on a construction plan adapted to the building by certified contractors. Anchor posts should be placed according to the installation plan. In general they are placed on the drainage layers. Damping plates are laid on anchor posts so that the longer 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'×2' FGT-180 washers should be placed on every anchor post and stapled down to the damping plate. The installation of the 6'×6' Geo-Net increases the area where the pulling force will be transmitted. After that comes installation of the ballast layer with a dry surface mass of at least 15 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 screw with internal keying #8

Installation Photos:



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