

DiaDrain-40H

1-5/8" Height, High capacity, Flow-delay Retention Board
#310224



Manual

■ Green up the roof!



Application:

DiaDrain-40H is designed for high water retention and drainage capacity of low slope roof surfaces, including vegetated areas and hard-surface pedestrian areas of semi-intensive and intensive green roofs. The "stepped barrier" design of DD-40H causes the retention cups to fill with water in a similar fashion to filling an ice cube tray, enabling their flow-delay and retention functions. DD-40H boards are laid overlapping one row of cups with the adjacent board, starting at the bottom of the roof slope and moving upward.

Installation instructions:

VLU protection fleece should be rolled out over the roof membrane, and drainage and retention boards laid on top of the fleece. Starting at the bottom of the slope, successive boards should be placed overlapping 1 row of cups with the previous one. Care must be taken that floating shoulders are continuous where boards overlap. When large continuous surfaces are to be covered, boards should be laid in a bond pattern where every second row begins with a half-board. If the installation is staged over a period of time boards may be filled with aggregate to ballast them, or they may be held in place with sand bags or other temporary loads. To prevent fine soil particles from leaving with storm water run-off, VLF geotextile filtration fabric is installed over the boards and beneath the soil.

Installation Tools:

For safety reasons and for protection of the roof membrane, a Hook Bladed Utility Knife should be used for cutting drainage boards. A protective layer of plywood or some other rigid material must be placed on the waterproof membrane before any cuts are made. Do not use sharp bladed cutters or knives, and never cut materials directly on the waterproof membrane.

Installation Photos:



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