**Selection Guide for Enkadrains on Sloped Green Roofs**

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| **Roof Gradient** | **Problems** | **Solutions** | **Products** |
| Flat<1° (<2%) | * Ponding water on roof and in growing substrate can lead to root rots, poor growth and plant failure
 | * Use high profile Enkadrains (0.6”) to lift growing substrate and plants above ponding water
 | Enkadrain 9118Enkadrain 9120Enkadrain 9125 |
| Low1-5° (2-9% ) | * Sufficient fall to drain
* Few ponded area may exist
* No major drainage concerns
 | * Use regular profile Enkadrains (0.4”) to effectively convey runoff to roof drains
* Use EnkaDrain&Retain for green roof designs requiring high water storage capacity
 | Enkadrain 9010Enkadrain 3611Enkadrain 3615Enkadrain 3811EnkaRetain&Drain 3111EnkaRetain&Drain 3211 |
| Steep5-20° (9-36%) | * Runoff increases with roof gradient
* Water runs off too quickly on steep slope, growing substrate can become dry especially near the top of the roof
* Risk of sliding of green roof materials on the roof at high gradients
 | * Use thin profile Enkadrains (0.25”) to slow down runoff and allow time for the rain to soak into the growing substrate
* Use EnkaDrain&Retain to retain water and compensate for higher runoff
* Install Enkadrain upside down or use one with 2-sided fleece to minimize sliding on steep slope roof
 | Enkadrain 3601Enkadrain 3801Enkadrain 7910EnkaRetain&Drain 3111EnkaRetain&Drain 3211 |
| Very Steep>20° (>36%) | * Very high runoff due to gradient
* Dry at top and wet at bottom of slope
* Risk of sliding of green roof materials
 | * Drain layer is generally not necessary
* Use thin profile drains (0.25”) if needed
* Secure drainage layer to prevent sliding
 | Enkadrain 3601Enkadrain 3801Enkadrain 7910 |