

EXTERIOR INSTALLATION PROCESS SEMI-HYDRO



Semi-hydro exterior planting provides a water holding reservoir for extended watering cycles. Through capillary action, the plant has access to water when it needs it. The funnel allows excess water from rainfall or overwatering to escape and not waterlog the soil.

MATERIALS



SBYURE 6 Pack Plastic Funnels, 4.6"W x 5.5"H, Multi-Purpose Clear Plastic – Amazon



Orbit 37113 Cut-Off Sprinkler Head Riser, 3/4"x 6", 20 Pack, Amazon or Home Depot



Red Guard waterproofing membrane Home Depot



Silicon Caulk and Caulk Gun – Amazon or Home Depot



Soil Separator and zip ties Home Depot



Vulkaponic, soil and mulch – Vulkaponic USA, local supplier.



1 Center funnel over drain hole and draw a circle around base. **Tip:** Funnel may be cut to desired height or extended with 3/4" cut-off sprinkler riser.



2 Apply heavy bead of silicone on and immediately inside drawn circle.



3 Place funnel on silicone bead applying pressure to ensure good adhesion. **Tip:** If extending funnel with 3/4" cut-off sprinkler riser, silicon it to funnel at the step.



4 Apply two coats RedGuard waterproofing to bottom and sides of container and funnel. **Tip:** Ensure waterproofing exceeds funnel height to create a water reservoir.



5 Cover narrow opening of funnel with soil separator fabric and secure with zip tie.



6 Add Vulkaponic to container covering top of funnel by at least 1". **Tip:** This allows excess water to drain and permits root zone air exchange



7 Add growing mix directly over Vulkaponic to desired planting height keeping finished root ball 2" below rim of container.



8 Place root ball and back-fill planter with growing mix tamping firm. **Tip:** Ensure root ball is 2" below rim of container and soil is packed firm down sides.



9 Add 1" of hardwood or other mulch evenly spread over potting soil allowing 1" of remaining freeboard space to water without overflow