

It is the purchaser's responsibility to Activate the Filterra Bioscape System and provide adequate measures to prevent construction related runoff from entering the Filterra Bioscape system.

Included with your purchase is Supervised Activation of the Filterra system by the manufacturer as well as a 1-year warranty from delivery of the system. The purchaser must ensure that the site is acceptable for Filterra Bioscape Activation. A checklist (included as page 2 of this document must be completed and submitted to the Contech Activation Coordinator. The minimum requirements for Filterra Bioscape Activation are as follows:

1. The purchaser must have sourced vegetation meeting the requirements outlined in "Plant Selection for Filterra Systems" below.
2. A pre-construction meeting is required to discuss site requirements, logistics planning and activation FAQ and red flags.
3. The site landscaping must be fully stabilized, i.e. full landscaping installed and some grass cover (not just straw and seed) is required to reduce sediment transport. Construction debris and materials should be removed from surrounding area.
4. Final paving must be completed. Final paving ensures that paving materials will not enter and contaminate the Filterra system during the paving process, and that the plant will receive runoff from the drainage area, assisting with plant survival for the Filterra system.
5. All immediate upstream and downstream structures should be placed with piping into the system already installed for connection during activation.



Plant Selection for Filterra® Bioscape® Systems

All Filterra systems require vegetation for proper long-term performance. As indicated in the Filterra Bioscape Activation Package, the Contractor is responsible for sourcing the proper vegetation prior to Supervised Activation. Contech or a Contech representative will supervise installation the vegetation during the Activation process.

Contractors must ensure the vegetation meets the following 3 requirements:

1. Select plant(s) as specified in the engineering plans and specifications AND that are listed on Contech's Configuration Specific Plant Lists.
2. All plants MUST be container-grown in nursery containers no larger than 15 gallons. Crated and/or Ball/Burlap plants are NOT permitted.
3. Quantities should be selected based on plant palette options found starting on page 3 of this document.

If Contech or Contech's representative shows up for Supervised Activation and any of the 3 requirements above are not met, Activation cannot be performed and the Contractor will be billed a \$1,500 Unprepared Site fee*.

* UNPREPARED SITE FEE NOTE: A charge of \$1500.00 will be invoiced for each activation visit requested by customer where Contech determines that the site does not meet the conditions required for Activation AND/OR acceptable plants are not provided by the contractor.

Filterra® Contractor Activation Checklist



Requested Activation Date: _____ System Designation: _____

Project Name: _____

Site Contact Name: _____ Site Contact Phone/Email: _____

Site Owner/End User Name: _____ Site Owner/End User Phone/Email: _____

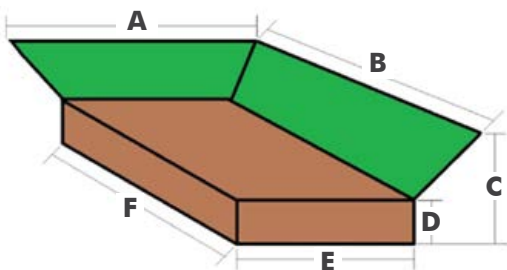
Please complete the following checklist, sign, date, and submit with your activation request to your Contech Project Consultant. Along with the checklist, fill out the as-built dimensions of the Filterra Bioscape system excavation(s), and attach photos of the Filterra Bioscape excavation(s). This information is essential to ensure the proper amount of material is provided.

Checklist:

- Upstream drainage area to Filterra Bioscape system is stabilized.
- Filterra Bioscape excavated per plan dimensions to bottom of Filterra underdrain stone depth. Surface area of media area must match order quantities.
- If additional depth of drain rock is required per site plans, additional drain rock is installed to the Filterra Bioscape underdrain pipe elevation.
- Excavation sides vertical from bottom of excavation to top of mulch (Approximately 34" when 6" underdrain is utilized).
- Excavation sides maximum slope 3:1 from top of mulch to finished grade.
- Side slopes above top of mulch elevation stabilized with sod or other slope stabilization.
- Bioscape Inlet (BSI) structure or other inlet/bypass structure installed and properly backfilled with maximum 3:1 slopes to top of mulch elevation.
- Inflow pipe(s) connected from BSI or other inlet structure to edge of Filterra Bioscape system excavation.
- Outflow pipe(s) connected from edge of Filterra Bioscape system excavation to downstream structure.
- Outflow pipe(s) are SDR35, properly sized per site plan underdrain pipe size(s).
- Excavation is dry and free from construction related sediment and debris.
- Bottom of excavation is properly scarified.
- Excavation is accessible by standard construction equipment.
- Plants have been purchased in accordance with the guidance in "Plant Selection for Filterra Bioscape Systems"
- Photos attached.

NOTE: Please ensure that all of the above conditions have been met prior to activation request. A mobilization fee (minimum \$1000.00) applies for each activation visit requested by Customer where Contech determines that the site does not meet the above conditions suitable for activation.

As-Built Dimensions



- A. OVERALL EXCAVATION WIDTH: _____ FT
- B. OVERALL EXCAVATION LENGTH: _____ FT
- C. OVERALL EXCAVATION HEIGHT: _____ FT
- D. FILTERRA BED HEIGHT: _____ FT
- E. FILTERRA MEDIA BED WIDTH: _____ FT
- F. FILTERRA MEDIA BED LENGTH: _____ FT

Signature _____

Date _____

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Filterra® Bioscape Plant Palettes

KEY: (refer to plant lists for species sizing)

A. EXTRA SMALL GRASS

- Up to 2' mature spread
- 1-2 gallon typical (1 gal. minimum)

B. SMALL GRASS/SHRUB

- 2'-4' mature spread
- 1-7 gallon typical

C. MEDIUM SHRUB

- 4'-6' mature spread
- 1-7 gallon typical

D. LARGE SHRUB OR EXTRA LARGE SHRUB OR TREE

- 6' mature spread and greater, 30' max. mature height
- Up to 15 gallon maximum

NOTE: For larger vaults and in-ground Filterra Bioscape systems, palettes can be scaled (i.e. Qty 6 of the 175 SF Palette can be used for a 1056 SF Filterra Bioscape).

MIX & MATCH SUBSTITUTION OPTIONS:

- 1 Large Shrub or Extra Large Shrub or Tree
 - 2 Medium Shrubs
 - 4 Small Grass/SHrubs
 - 12 Extra Small Grasses

- 1 Medium Shrub
 - 2 Small Grass/SHrubs
 - 6 Extra Small Grasses

- 1 Small Grass/Shrub
 - 3 Extra Small Grasses

25 SF example

A. 5 B. 2 C. 1

50 SF example

A. 9 B. 3 C. 2 D. 1

75 SF example

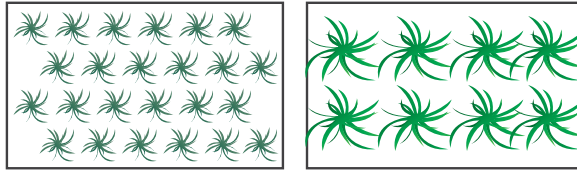
A. 15 B. 4 C. 2 D. 1

100 SF example

A. 20 B. 6 C. 3 D. 2

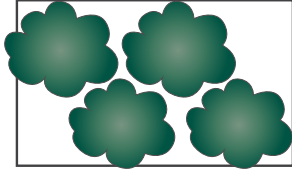
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125 SF example

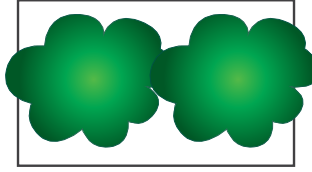


A. 24

B. 8

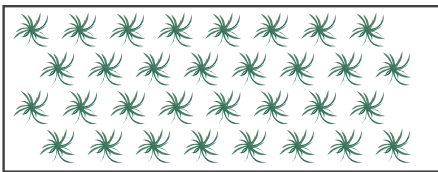


C. 4

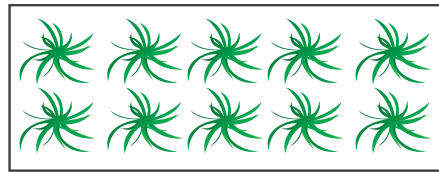


D. 2

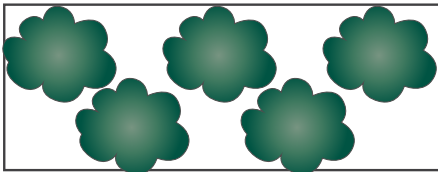
150 SF example



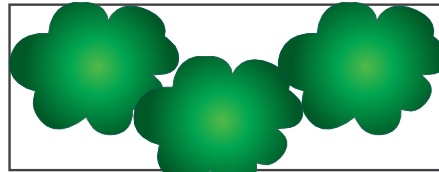
A. 32



B. 10

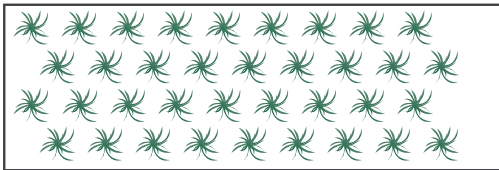


C. 5

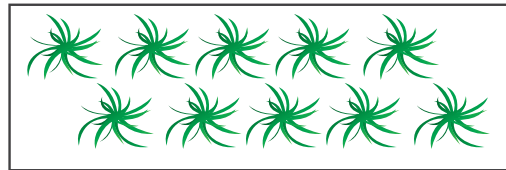


D. 3

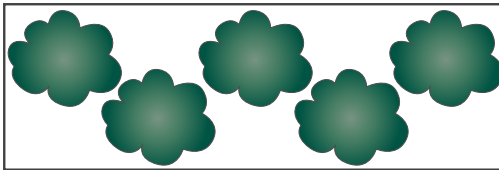
175 SF example



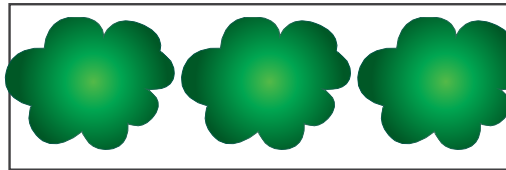
A. 36



B. 10



C. 5



D. 3

In some cases, Contech may consider alternate plant species as approved by the Product Manager. Please list the plant name in the space below and submit this sheet to your Contech Activation Coordinator. If the plant species is approved, either the Product Manager or the Activation Coordinator will sign the form and return to you for inclusion with your Activation Checklist.

Requested Plant Species: _____ Approved: _____

Date: _____

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