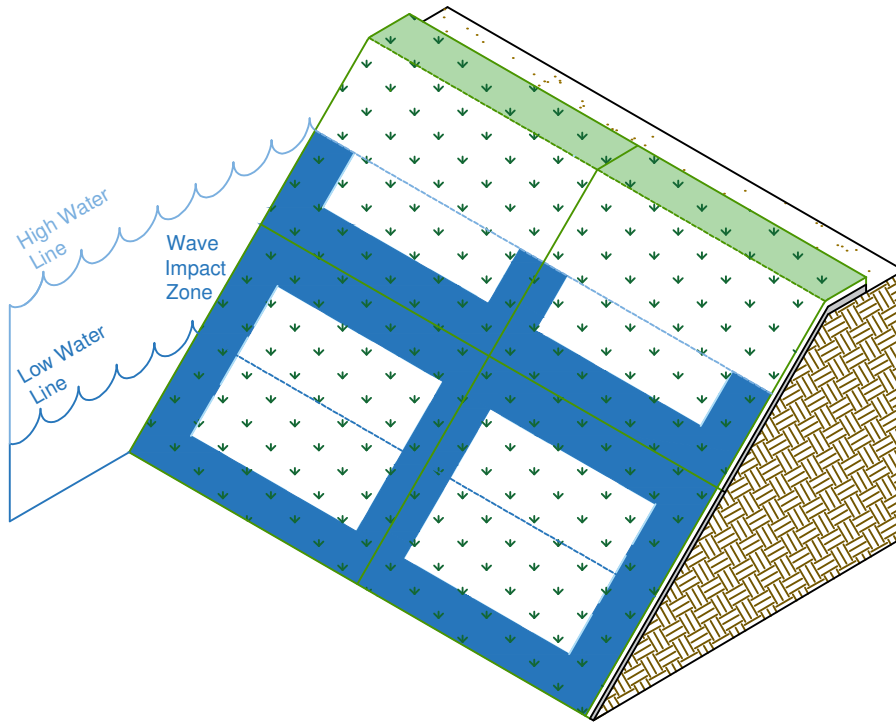


# ShearForce12 Hybrid-Turf Instant Armor Scour Mat Installation Guide for Shorelines

(Not To Scale)



## Installation Guidelines

1. **Select appropriate anchors for matting based on soil type and consistency (See Recommended Anchors table).**
2. **Prepare seedbed,** create a smooth soil surface and eliminate any existing rills, soil clods, sticks or rocks larger than 1-inch in diameter.
3. **Apply seed and fertilizer,** and other amendments at the specified rates, either by broadcasting, drilling or hydro-seeding.
4. **Position and anchor leading edges of mats at the top of, or over the shoulder of shoreline slope (Figure 1)** and secure with a single row of anchors spaced 1-foot apart. (Fig 1)
5. **Seam adjacent mats (Figure 2),** by butting edges together and anchor on 1.5-foot centers along 3-foot mat edges or 2.0-foot centers along 4-foot mat edges.
6. **Secure mat body (Figure 3)** with anchors installed according to Fig 3. Use additional anchors as necessary to ensure that fabric on bottom of mat is in intimate contact with underlying soil surface.
7. **Secure mat seams directly in the wave impact zone** with a single row of anchors spaced 1-foot apart. (Fig 1)
8. **Secure mat edges at or below waterline** with a single row of anchors spaced 1-foot apart. (Fig 1)

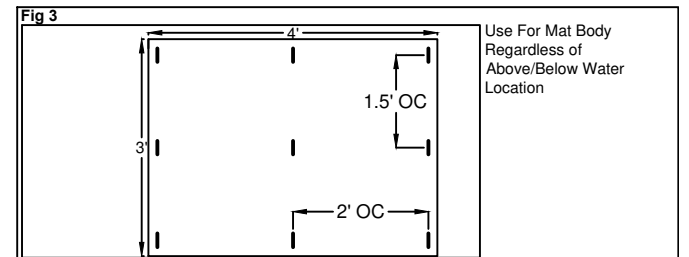
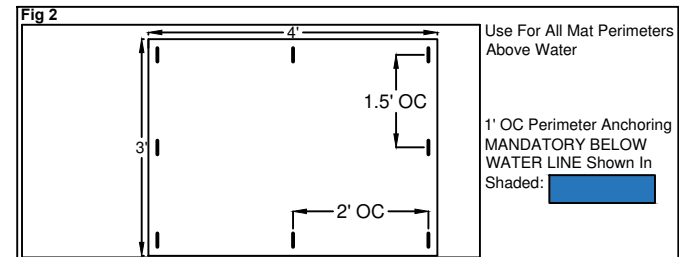
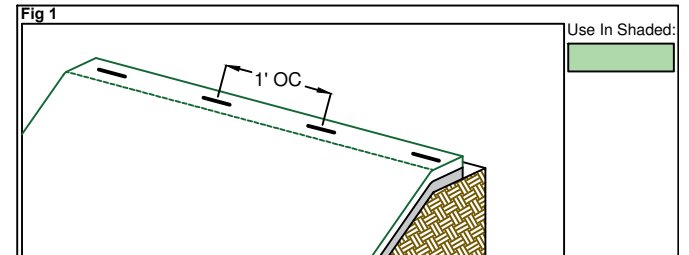
## Additional Tips for Fast & Effective Installation

- Install mat with simulated turf on top and fabric backing against soil surface.
- For best vegetative results, do not install on top of any additional erosion control blanket, TRM, or fabric.
- Continuous fabric contact with the underlying soil surface is very important for effective product performance.
- If there are areas where void areas are noticeable under the mat, additional anchors may be necessary to ensure good fabric-to-soil contact.
- In bends or reaches that are not straight, miter cut joints. **DO NOT OVERLAP MAT EDGES.**
- Use a heavy-duty utility knife or saw to cut material as necessary.
- When seaming cut ends or edges, **DO NOT OVERLAP.** Simply butt together cut ends or edges and seam together with a single row of anchors, spaced 1.5-feet to 2.0-feet apart.

ShearForce12 Recommended Anchors

Soil Type	*Minimum Anchor	Alternate Anchors
Cohesive, well compacted or undisturbed	12"x2"x12", 3/8" Rebar U-staple	12" Plastic Stake
Cohesive, loose	18"x2"x18", 3/8" Rebar U-staple	18" Percussion Earth Anchor
Non-Cohesive, well compacted or undisturbed	18"x2"x18", 3/8" Rebar U-staple	24" Percussion Earth Anchor
Non-Cohesive, loose	24"x2"x24", 3/8" Rebar U-staple	36" Percussion Earth Anchor

\*U-shaped anchors are recommended as they can be shared between adjacent mats when seaming, reducing total anchors needed during installation.





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## LOCATIONS & CONTACT INFO

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aspent.com  
salesasp@aspent.com

### BOWMAN CONSTRUCTION SUPPLY

bowmanconstructionsupply.com  
salesbcs@bowmanconstructionsupply.com

### QUICK SUPPLY CO.

quicksupplyco.com  
salesquick@quicksupplyco.com

### CASCADE GEOSYNTHETICS

cascadegeos.com  
salescascade@cascadegeos.com

**St. Louis, MO** 636.343.4357  
**Omaha, NE** 402.861.8579  
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- Composite Vegetated Armor System
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- Gabions
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- Stratavault Soil Cells

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