

Scepter Post - Fence Barrier Systems
(Perimeter Sediment Control - alternative to standard silt fence)

Definition

The **Scepter Silt Fence** is a temporary sediment control barrier constructed of woven polypropylene (PP). This is strategically positioned along the perimeter of construction sites or at the base of disturbed slopes to prevent soil displacement. (Installation instructions are accessible at www.scepterpost.com). **Scepter Silt Fence** addresses common challenges associated with traditional silt fences: it is resistant to deterioration and wind damage, can be easily removed and reused without disturbing surrounding landscapes, is compact for storage and transport, has a lifespan exceeding four years, and effectively manages water runoff by filtering sediment while producing zero waste. The material is made from recycled content, and is recyclable at the end of its life cycle.

Purpose

The primary function of the **Scepter Silt Fence** is to capture and filter sediment-laden water, significantly reducing the amount of sediment and pollutants that would otherwise leave the construction site and enter stormwater systems or nearby ecosystems. The system slows water flow while preventing end-around, underflow, and overflow issues. As water passes through the barrier, it retains a high percentage of solid particles while allowing controlled filtration. Over time, the accumulated filter cake enhances its ability to trap increasingly finer particles.

Applicable Conditions

Scepter Silt Fence is suitable for any location where traditional silt fences are required, including the base of stabilized slopes.

- The **Standard Silt Cloth** (38" or 965mm) provides sufficient freeboard coverage for 98% of site perimeter applications when used in conjunction with either the **Silt Post** or **Silt Hybrid Post** products.
- The **Extended Silt Cloth** (44" or 1117.6mm) provides a specialty silt cloth with an extended skirt (18" instead of the standard 12") for additional environmental protection in scenarios such as solar field installation zones.
- In areas with wet or unstable soil conditions, the **Scepter Stabilizer** accessory should be affixed to each post in the affected region to enhance fence stability.
- For high flood-risk zones prone to heavy rainfall, flash floods, or moderate mudslides, the wire backed "**Silt 4X4HD**" or "**Silt 2X4HD**" should be used to provide additional reinforcement and mitigate potential structural failures.
- For optimal performance, the fence skirt should be buried at least 12" in a backfilled trench beneath the fence line.
- Where required or applicable, use the **Scepter Lumen** - a solar powered light that connects to the top of all **Scepter Posts**.

Design Specifications

- Utilize **Scepter's Silt Fence** for filtration. Contact Scepter, LLC at (307.316.3069) or visit www.scepterpost.com for product details.
- **Standard Silt System** fabric weighs approximately 0.08 lbs per foot. (excluding posts)
- **Extended Silt Cloth** fabric weighs approximately 0.092 lbs per foot. (excluding posts)
- The **Silt 4X4HD** fabric weighs 0.45 lbs per foot.
- Installers may use the "**Silt Post**," which weighs 2.38 lbs (1.06 kg) per post.
- If the intent is to integrate both a silt fence and an additional barrier system (such as a barricade), the "**Silt Hybrid Post**" is recommended, weighing 3.6 lbs (1.63 kg) per post.
- For step-by-step installation, refer to the included instructional diagrams.

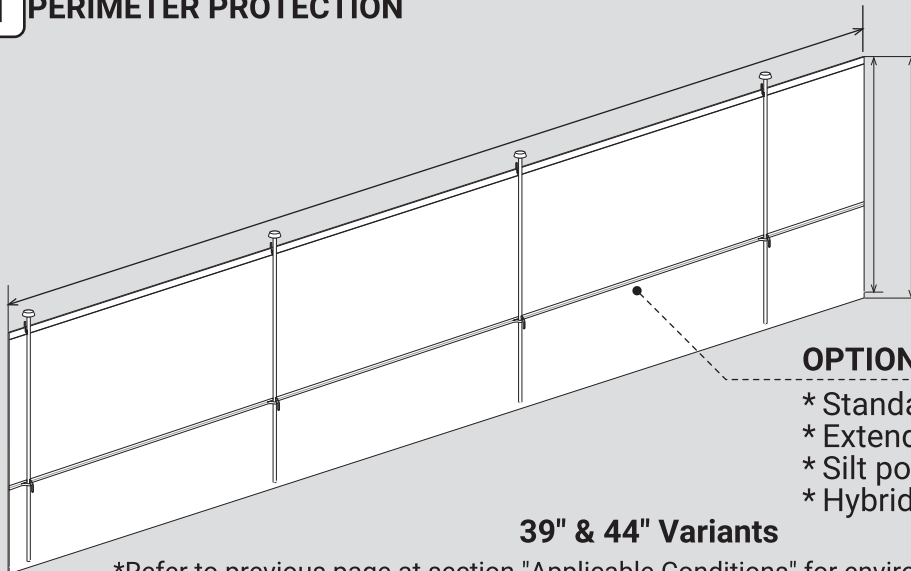
Ensure that the final section of the fence is angled upslope to contain sediment effectively.

Maintenance

- Inspect the Scepter Silt Fence prior to anticipated rainfall and perform necessary repairs or replacements as needed.
- Conduct post-rainfall inspections and perform daily maintenance during prolonged precipitation events.
- Regular upkeep ensures the fence retains sufficient sediment containment capacity. Remove accumulated sediment when it reaches 50% of the fence height.
- Collected sediment should be incorporated into the construction project and designated or disposed of in compliance with local regulations.



1 PERIMETER PROTECTION



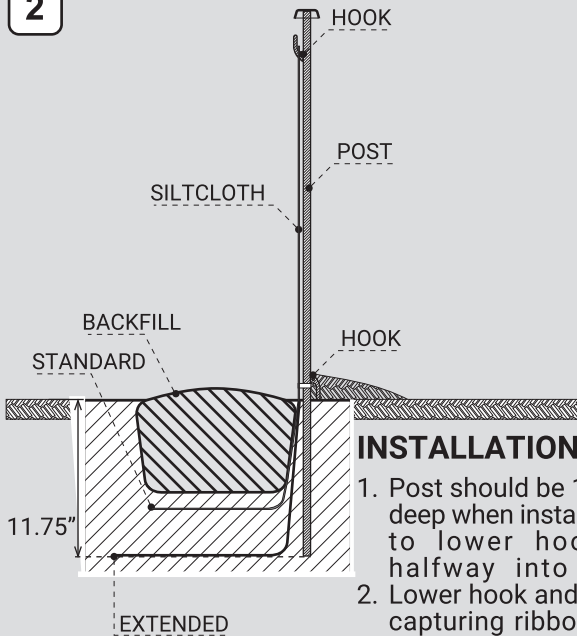
OPTIONAL FENCE STRUCTURE:

- * Standard silt cloth
- * Extended silt cloth
- * Silt post
- * Hybrid Silt post

39" & 44" Variants

*Refer to previous page at section "Applicable Conditions" for environmental use guidance.

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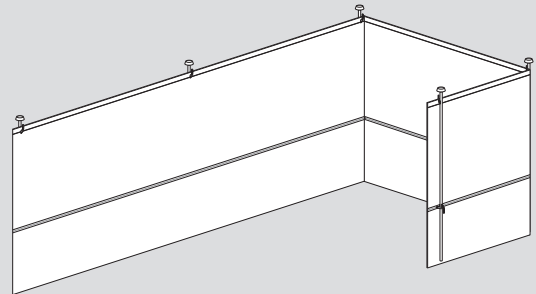
INSTALLATION

1. Post should be 11.75" deep when installed or to lower hook is halfway into soil.
2. Lower hook and shaft capturing ribbon and pinning to ground.

NOTES

3. **"Standard Silt Cloth"** Skirt buried in trench. Recommended install method for "Standard Silt Fence" is to lay the skirt 6" (152mm) vertically down into trench, and the remaining 6" (152mm) laid flat at the bottom of the trench.
- 3b. **"Extended Silt Cloth"** Skirt buried in trench. Recommended install method for **"Standard Silt Fence"** is to lay the skirt 9" (228mm) vertically down into trench, and the remaining 9" (228mm) laid flat at the bottom of the trench.
4. If the dog leg install for the skirt is not possible, dig the trench 12" deep and 3" wide. Install the skirt 12" vertically down and backfill. This method will not be suitable for every environment. This should result in 24" (609mm) above ground and the balance of the skirt buried below ground.

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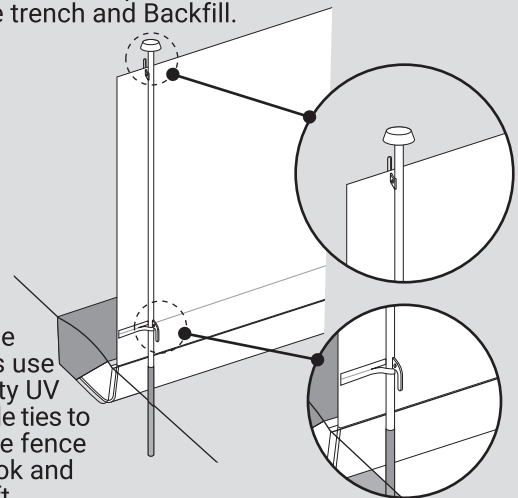


NOTES:

1. Dog-leg at end-of-runs to contain sediment.
2. Install on same contour to limit scour and flow concentration, Dogleg periodically if on down-hill run to minimize velocity scour.

4 SILT INSTALLATION

1. Identify the upper silt hook which is appropriately 24" (609mm) above the lower hook on the opposite side of the post, facing the cloth. Use the upper silt hook and push it through the upper section of the silt cloth
 2. between the two stitch lines in the upper hen, ideally just below the upper stitch line.
- Once this is done, pull tension of the cloth downwards into the trench and Backfill.



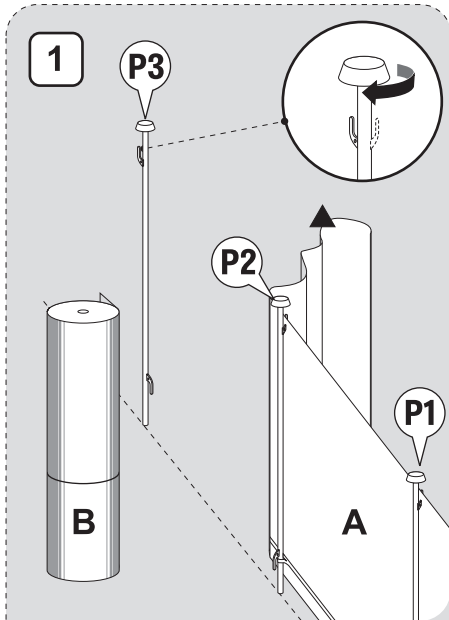
In extreme scenarios use heavy Duty UV rated cable ties to secure the fence to the hook and post shaft

ADDITIONAL NOTES:

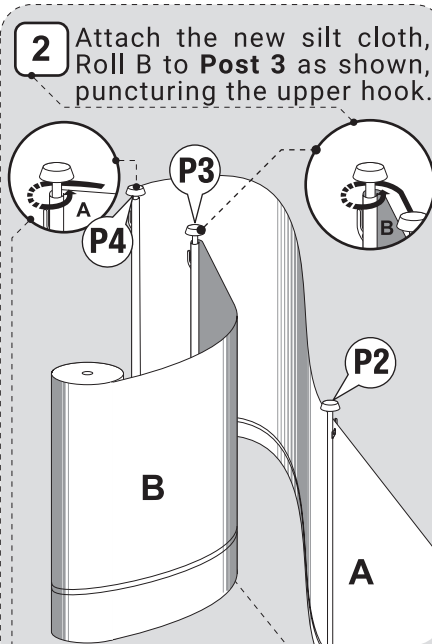
1. Cut trench 7" to 10" wide, 6" to 9" deep. Unless and 12" vertical trench is decided upon,
2. Once skirt of cloth is installed, backfill the trench to grade level.



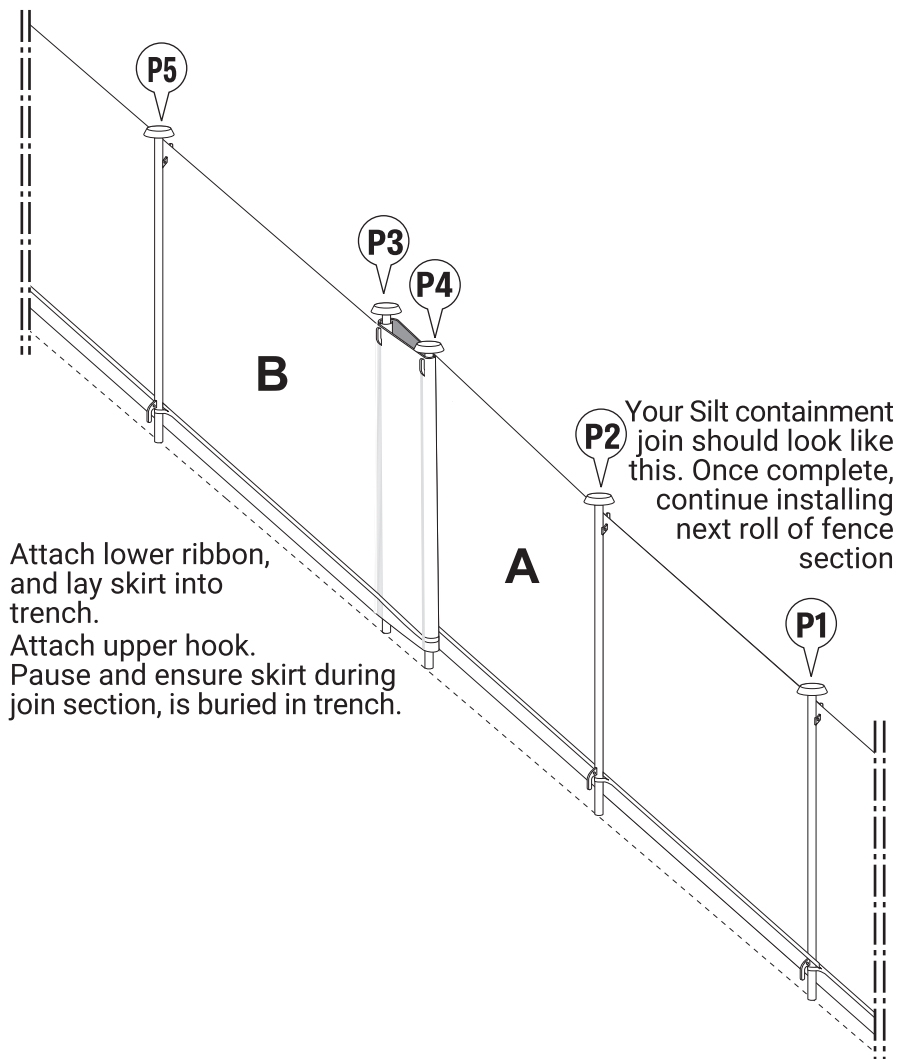
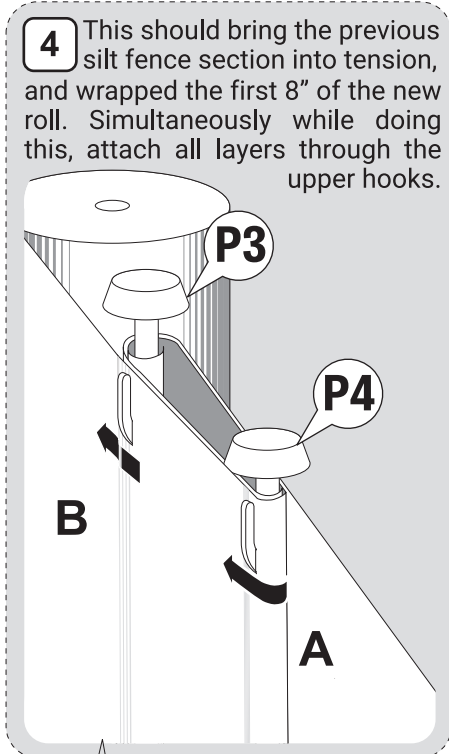
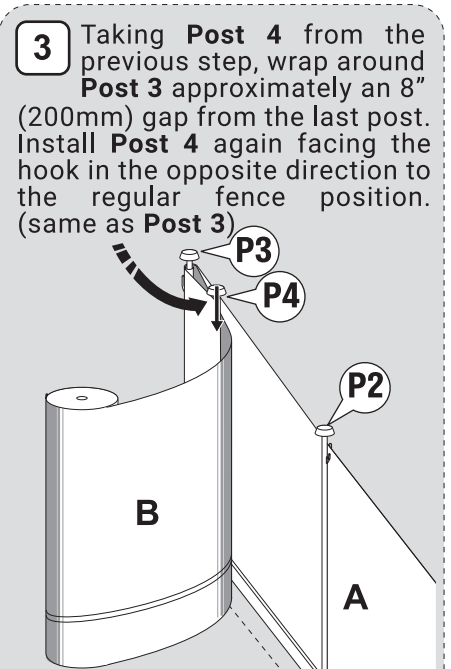
JOINING TWO PIECES OF SILT FENCE



When you approach the remaining 6-8ft "▲" of roll length (Roll A), do not connect it to the next post, lay it to the side and position the next roll. (Roll B)
Install the next post in the line pointing the upper hook in the opposite direction to the regular posts.



• Wrap the end of the previous roll around this post as shown. **The post should not be installed into the ground yet.** Taking an additional loose Post 4 prior to install. Attach the lower ribbon to the lower hook and attach the upper hook.



Attach lower ribbon, and lay skirt into trench.
Attach upper hook.
Pause and ensure skirt during join section, is buried in trench.

Your Silt containment join should look like this. Once complete, continue installing next roll of fence section



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