



Installation Instructions – Belted Silt Retention Fence – Priority 2
(BSRF-Priority 2 – Black Band)
Silt Fence System Designed for the Control of Sheet Flow

Purpose: The BSRF shall be used as a vertical interceptor of sediment transported by overland flow on construction sites. The Belted Silt Retention Fence (BSRF®) has been designed and tested as a silt fence **system**.

The BSRF® Priority 2 silt fence system meets the 75% filtration efficiency requirements of the Federal Highway Administration.

Installation Specifications: The 1 ¼" x ¾" x48" (or equal density stakes are driven to a depth which allows 24" of the fabric to be above ground. The remaining fabric is now tucked into the trench forming a "J" and when filled with dirt creates a "ground bite". With its firm attachment to each post, the load is now spread to the total linear strength of all the posts within the system. **Any variance from the material specifications installation requirements may alter the performance of this product.**

Design Criteria: Where all runoff is to be stored behind the sediment barrier (where no storm water disposal system is present), maximum continuous slope length behind a sediment barrier shall not exceed those shown in the following table. For longer slope lengths, slope interrupters must be used. The drainage area shall not exceed ¼ acre for every 100 feet of sediment barrier.

Land Slope	Maximum Slope Length Above BSRF Silt Fence System	
Percent	Feet	
<2	100	
2 to 5	75	
5 to 10	50	
10 to 20	25	
>20*	15	

* In areas where the slope is greater than 20%, a 10 ft flat area for sediment storage between the toe of the slope to the BSRF Silt Fence System should be provided.

Design Limitations: Designed for control of **sheet flow**, The BSRF® silt fence shall not be installed across streams, ditches, waterways, or anywhere there is **concentrated flow**. Additionally silt fence shall not be placed around **storm water inlets** which are designed to receive **concentrated flow**. The BSRF® Priority 2 is designed for the protection of sensitive areas.

Maintenance: Silt fence should be inspected at the end of each work day and particularly after each rainfall event. Accumulated sediment should be removed when it reaches half the height of the fence to prevent failures. Remove the fence and the accumulated sediment and stabilize the exposed area when the project is finished.

Repair: See installation drawing detail –

Longevity: The life of this product is determined at the point in which it is no longer effective or needed to do the job for which it was designed. (Approximately one (1) year)
 Further details on this product may be found on our website: www.siltsaver.com

4 STAPLES
 1" X 1 ¼"

POST (HARDWOOD)