

The Grass is Always Greener
on the Enviro-Shield Side



Enviro-Shield[™] PLUS

Bonded Fiber Matrix

- Contains 100% virgin wood fiber
- Minimizes soil erosion and water runoff
- Provides nutrients and improves soil structure
- Environmentally safe and biodegradable
- Applies with conventional hydraulic seeding equipment
- Improves water retention to allow quick and effective germination



ENVIRO-SHIELD™ brand PLUS bonded fiber matrix provides completely biodegradable, environmentally safe erosion control that is effective, cost-efficient and easy to use. Its unique blend of 100% virgin wood fiber mulch and proprietary gypsum formula binder helps provide the required durability to significantly minimize erosion from wind and water while allowing for optimal rainwater penetration.

Product Performance

Soil Enrichment

Supplies calcium and sulfur nutrients, improves the structure of heavy clay soils and improves water penetration.

Environmental Safety

Completely biodegradable and harmless to fish, birds, plants and animals.

Economical Application

Applies with conventional hydraulic seeding equipment, which is more cost-effective than laying blankets or erosion control netting.

Water Retention

Contains water-holding ingredients for improved retention of rainwater for quick, uniform germination of plant cover.

Product Data

- Recommended to be mixed at 70 lbs. (+/- 10 lbs.) per 100 gals. of water
- Packaging net weight is 50-lb. bales
- One truckload equals 840 bales or 24 pallets (40" x 48" pallet)

Typical Application Rates	Area	Pounds/AC
	< 3:1 slope	3000 lbs/ac
	3:1 to 2:1	3500 lbs/ac
	> 2:1 slope (1:1 max.)	4000 lbs/ac

Ingredients and Composition

- A gypsum-based binder (soil-beneficial binder)
- 100% virgin wood fiber mulch
- Specially developed plant-based tackifiers (short-term binding agents)
- Nonpetroleum-based polymers (long-term binding agents)
- Surfactant
- Water-holding ingredients (polyacrylamides (PAM))
- Dye (green)
- Moisture 10% (+/- 2%)
- pH 5.5–6.5

Storage

Store inside in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities. Dew point conditions or other conditions causing presence of liquid will harden this material during storage. Protect product bags from physical damage and weather. Keep bags tightly closed to prevent moisture contact. When transported to job site, material must be tarped against weather conditions.

Shelf Life

ENVIRO-SHIELD PLUS bonded fiber matrix has a shelf life of 4 months.

Product Information

See usg-erosioncontrol.com for the most up-to-date product information. Please consult your local USG representative for information as soil, slopes and weather vary greatly across the country. Consult USG publication IG8477 prior to application of ENVIRO-SHIELD PLUS bonded fiber matrix.

WARNING!

When mixed with water, this material hardens and becomes very hot – sometimes quickly. DO NOT attempt to make a cast enclosing any part of

the body using this material. Failure to follow these instructions can cause severe burns that may require surgical removal of affected tissue or amputation of limb. Dust may cause irritation to eyes, skin, nose, throat and upper respiratory tract. Avoid irritation by reducing exposure to dust. Use in a well-ventilated area or provide sufficient local ventilation. If dusty, wear a NIOSH/MSHA-approved dust respirator. Wear eye protection. If eye contact occurs, flush thoroughly with water for 15 minutes. If irritation persists,

call physician. Wash with soap and water after use. Do not ingest. If ingested, call physician. Occupational asthma has been reported for workers in the industrial production of guar gum. Product safety information: 800 507.8899 or usg.com. **KEEP OUT OF REACH OF CHILDREN.** VOC Content: Zero

Trademarks

The following trademarks used herein are owned by United States Gypsum Company or a related company: ENVIRO-SHIELD, USG.

Note

Products described here may not be available in all geographic markets. Consult your USG sales office or representative for information.

Notice

We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective

goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

Safety First!

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read MSDS and literature before specification and installation.

