

SOIL STABILIZATION GRANULES



PAM-12[®] Plus

PAM-12[®] Plus is a superior soil stabilizer that is easy to use and cost effective.

Superior Performance

- Proven by ASTM D 6459 Standards
- Effective across a wide spectrum of soils

Ease of Use

- Uniformly applied right out of bag
- Includes visible tracer

Cost Effectiveness

- Ease of use, saves time and money

Additional Benefits

- Improves seed germination and plant growth (ECTC Method # 4)
- Minimizes sediment loss
- No messy straw or introduction of noxious weed seed
- No need for staples, stakes or netting
- No need for expensive equipment



Product Description

PAM-12[®] Plus is a soil stabilizer that can be used alone or in combination with other mulches to reduce the erodibility of soils and improve the establishment of vegetation. The specially engineered paper granule is a carrier, delivery system and visual tracer that utilizes ENCAP[®]'s Advanced Soil Technology[™] which is a blend of soil stabilizers. PAM-12[®] Plus can be uniformly applied with a broadcast spreader directly out of the bag. PAM-12[®] Plus is used in a wide variety of situations where soil stabilization is necessary such as commercial landscape, construction, reclamation, and post-fire restoration applications.

Installation Details

PAM-12[®] Plus should be applied using the rates and guidelines provided in the Application Index. PAM-12[®] Plus may be applied dry with broadcast seeder/spreader equipment, hydraulically through approved hydraulic machines or with aerial application equipment. For hydraulic instructions and recommendations, refer to the PAM-12[®] Plus Hydraulic Application Guidelines.

PAM-12[®] Plus Application Index

SLOPE	POUNDS/ACRE
No Slope - 4:1	1,000
4:1 - 3:1	1,000 - 2,000
3:1 - 2:1	2,000 - 3,000

- Application rates and methods may vary based on site conditions such as slope, soil type, physical state and chemical properties of the soil and time of the year.
- Application rates may vary based on desired visual appearance.
- Slope interruption devices are recommended on slopes exceeding 40 feet in length.
- PAM-12[®] Plus granules are activated by natural or applied moisture.
- It is recommended that seeding is done prior to the application of PAM-12[®] Plus and in a manner that ensures direct contact with the soil on a well prepared seedbed.

Package	Item #	Size	Type	Units/Pallet	Units/Truckload	Bag Type
Bag	10722-40	50lb.	Pallet	40	880	UV & weather resistant 4 mil poly bags
Bulk Tote	10728	2,000lb.	Pallet	1	22	Super Sac

PAM-12® Plus Soil Stabilization Granules Specification

The soil stabilization granules (active ingredient anionic WSPAM) shall be applied on the surface of disturbed soils to reduce water erosion and minimize the production of sediment by binding soil particles, effectively increasing the soil particle size to 1.0 mm or larger.

The soil stabilization granules shall consist of recycled paper fiber coated and impregnated with a blend of anionic water soluble linear polyacrylamides (WSPAM) mixed with a calcium supplement. The total active anionic WSPAM content will be no less than 2.3% and be of high molecular weight and of medium charge density.

The anionic WSPAM shall have no more than 0.05% acrylic monomer by weight, as established by the Food And Drug Administration (FDA) and the Environmental Protection Agency (EPA).

The soil stabilization granule must be beneficial to the establishment of vegetation and shall be environmentally compatible, harmless to fish and wildlife.

The soil stabilization granule shall be applied dry with broadcast seeder/spreaders or wet with conventional hydraulic seeding equipment.

Performance Tests

The soil stabilization granule shall be PAM-12® Plus, as manufactured by ENCAP®, LLC, and shall conform to the following performance tests.

DESCRIPTION	TEST	RESULTS
Erosion Control Performance	ASTM D 6459: 2+4 in/hr	0.075*
Erosion Control Performance	ASTM D 6459: 2+4+6 in/hr	0.356*
Vegetation Establishment	ECTC Test Method #4	>338%
Toxicity (Survival % > 75)	EPA-600-R-99-064	H.azteca - 98.8%
Toxicity (Survival % > 75)	ASTM E 1706-05	C. dubia - 100%

*C-Factor - The effect of surface cover and roughness on soil erosion as calculated using RUSLE

PAM-12® Plus Application Reference



PAM-12® Plus Composition

- 75.4% Engineered Paper Fiber Granule
- 1.5% Polyacrylamide copolymer (solid)
- 2.1% Polyacrylamide copolymer (emulsion)
- 1.0% Biopolymer
- 20.0% Gypsum (prilled Calcium Sulfate Dihydrate)

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PROFESSIONAL DIVISION

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