



PAM-12™ *Plus* Erosion Control Granules

Product and Technology Description:

PAM-12™ *Plus* can be used for temporary stabilization, over winter applications, and for primary erosion control in conjunction with seed and fertilizer. PAM-12™ *Plus* is a combination of defibrated recycled paper fibers agglomerated into granules combined with a blend of water soluble anionic polyacrylamides (WSPAM).

The WSPAM impregnated into and coated onto the recycled paper granules combined with a calcium component is the basis for Advanced Soil Technology™ (AST™). AST™ provides exceptional erosion control through superior bridging of soil particles. The AST™ in PAM-12™ *Plus* has a strong initial release from the recycled paper granules as it activates using natural or applied moisture. AST™ continues to be released as the granules bio-degrade, and when additional moisture is introduced. The recycled paper granules serve as the carrier and delivery system, as well as a visible tracer for the AST™ in PAM-12™ *Plus*.

Benefits of PAM-12™ *Plus*:

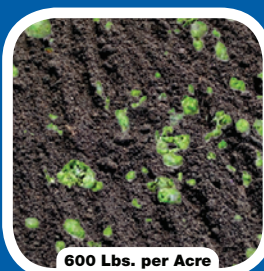
1. Exceptional Erosion Control using Advanced Soil Technology™ (AST™)
 - a. Calcium bridging provides superior soil stabilization
 - b. Increases water penetration
 - c. Resists soil crusting
 - d. Improves seed and plant establishment
2. Ease of Installation Saves Time and Money
 - a. Granules engineered to maximize flow
 - b. Efficient application through broadcast, hydraulic or blower equipment
 - c. No messy straw or potential introduction of noxious weed seeds
 - d. Achieve results using less material than traditional mulch methods



PAM-12 *Plus*™ Application per Acre PRODUCT SHOWN ACTUAL SIZE



450 Lbs. per Acre



600 Lbs. per Acre



1,000 Lbs. per Acre



2,000 Lbs. per Acre

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Technical Data

The erosion control granules shall be PAM-12™ *Plus*, as manufactured by ENCAP, LLC and shall conform to the specifications below:



Test Data

Property	Test Method	Value
Bench Scale Cover Index (BSCI)	ECTC Test Method #2	0.0633
Bench Scale Shear Index (BSSI)	ECTC Test Method #3	>2 pounds
Germination	ECTC Test Method #4	>338%
Toxicity (Survival % >75)	EPA-600-R-94-024	H. azteca - 97.5% (10 day test survival rate)
	ASTM E 1706-05 (2005)	C. dubia - 93.3% (48 hour test survival rate)

Physical Composition

Granule Composition	Defibrated recycled paper fibers agglomerated into asymmetrically shaped granules of uniform dimensions and density
AST™ Composition	Anionic Water Soluble Copolymer Emulsion Anionic Water Soluble Linear Polyacrylamide

Installation Details

PAM-12™ *Plus* should be applied using the application rate guidelines as shown on front. For hydraulic and dry applications, mark off a test plot of a known area. Compare test plot to application reference to verify appropriate coverage.

Application Rates

SLOPE	POUNDS/ACRE	BAGS/ACRE
No Slope	450	9
No Slope – 6:1	450-600	9-12
6:1-4:1	600-1000	12-20
4:1-3:1	1000-1500	20-30
3:1-2:1	1500-3000	30-60
2:1	3000	60

Coverage Rates (50 lb bag): Up to 4800 sq ft

PAM-12™ *Plus* application rates and methods may vary based on field conditions such as slope, soil type, and time of year.

Package	Item #	Size	Type	Units	Per Truckload
Bag	10722-40	50 lb.	Pallet	40	22
Bulk Tote	10728-T	2,000 lb.	Pallet	1	22



PROFESSIONAL PRODUCTS

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