

EURO-MAT F.G.M



PRODUCT DESCRIPTION

EURO-MAT F.G.M (Flexible Growth Medium) is the mid-level product of the projected fibre matrix product range. Its performance level is superior to that of mulches in the SMM (Stabilized Mulch Matrix), BFM (Bonded Fibre Matrix) or FGM (Engineered Fibre Matrix) ranges.



EURO-MAT F.G.M is a blended product, ready to use, 100% bio-degradable, and is made of "PREMIUM" vegetable fibres (NFU code: 44-4551) with the addition of stabilizing agents, germination activators and growth enhancers.



ACTION FIELDS

A projected Fibre Matrix (E.F.M, F.G.M, HP-F.G.M or ET-F.G.M) used in Hydromulching is active on 3 levels:

Provides a "Temporary" Anti-Erosion Protection for the medium term (>6 months <24 months):

This product acts like a real "barrier", absorbing the impact energy of raindrops (the "splash" effect) whilst at the same time capturing rainwater from thunderstorms. Its performance level is comparable to that of 'roll matrixes' (Curlex, Needlefelt,...) or geo-textiles made of vegetal fibres.

Accelerates Germination:

Its water retention capacity allows the seeds and seedlings to develop in a "controlled" environment where it concerns temperature and hydro stress, as temperature peaks are flattened out and evaporation/transpiration is being limited. The presence of germination activators and growth enhancers allows for quick establishment of the green cover.

Increases Performance Levels:

Applied hydraulically through a Hydroseeder, this product does not need any specific jobsite preparation nor fixation systems.

In order to learn more about this, please visit the 'European Hydroseeding Guide' (currently only available in French) on our site www.euro-tec.fr

SPECIFICATIONS & PERFORMANCES

Tracer	1 % (green)
Prime wood material	Betula papyrifera / Populus tremuloides
Fibre length (mm)	2 to 10 mm
% Wood Fibre	75 %
% Organic Stabilizer and Fluidizing Agent	10 %
% Germination activator and Growth Enhancer	5 %
% Biodegradable Reinforcement Fibre	9 %
% Water Retention Capacity / Dry Weight (ASTM D7322)	1 500 %
% Organic Matter % Mineral Matter	99,3% 0,7 %
Erosion Protection Life-Span (months)	18 months 😊
Water Retention Capacity	😊
Covering Capacity @ 150 Bales/ha or 3 400 kg/ha	😊
Water mixing Ratio	1 Bale per 500 litres of water

APPLICATION RATE*

Slope Steepness	Slope Length	Contraints (low, medium, high)	Average Application Rate*
< 1 : 1 < 2 : 1 < 4 : 1	12 m	High	176 Bales/ha 150 Bales/ha 120 Bales/ha

* Average indicative value, requiring adjustment depending on specific soil characteristics

PACKAGING :

Bales of 22.7 Kg / Pallet with 40 bales.

Note : the wood fibre has been treated in a thermal process in order to eliminate pathogenic germs / Fungi