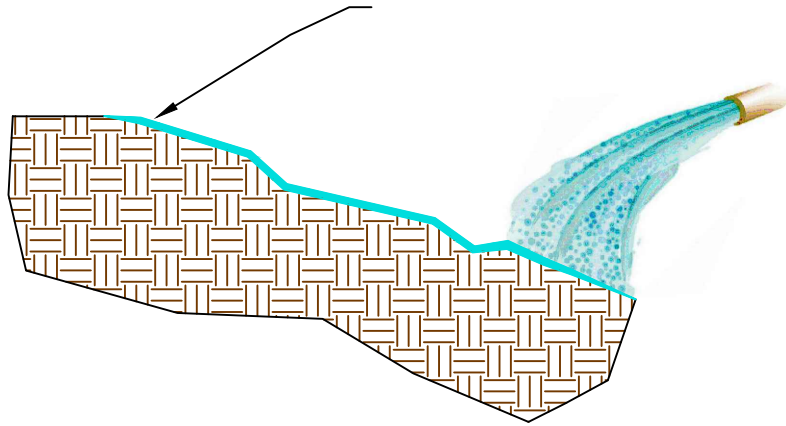


**SPECIFICATION: 31 25 14.13 - Hydraulically-Applied Erosion Control:
High Performance-Flexible Growth Medium™**

**ECOFLEX™ HP-FGM™ HYDRAULICALLY
APPLIED EROSION CONTROL PRODUCT (HECP)**



This section specifies the hydraulically-applied erosion control product EcoFlex® High Performance-Flexible Growth Medium™ (HP-FGM®). EcoFlex HP-FGM is a biodegradable material, composed of 100% recycled, Thermally Refined™ virgin wood fibers, crimped biodegradable interlocking fibers derived from regenerated cellulose sourced from sustainably harvested wood, micro-pore granules, naturally derived cross-linked biopolymers and water absorbents. The HP-FGM is patented, made in the US, plastic-free, and phytosanitized to eliminate potential weed seeds and pathogens. EcoFlex requires no curing period and upon application forms an intimate bond with the soil surface to create a continuous, porous, absorbent and flexible erosion resistant blanket that allows for rapid germination and accelerated plant growth.

1. Thermally Processed* (within a pressurized vessel) Virgin Wood Fibers - 80%
2. *Heated to a temperature greater than 380 degrees Fahrenheit (193 degrees Celsius) for 5 minutes at a pressure greater than 50 psi (345 kPa)
3. Wetting agents (including high-viscosity colloidal polysaccharides, cross-linked biopolymers, and water absorbents) - 10%
4. Crimped Biodegradable Interlocking Fibers derived from regenerated cellulose sourced from sustainably harvested wood - 5%
5. Micro-Pore Granules - 5%

APPLICATION RATES:

These application rates are for standard conditions. Application rates may need to be increased to accommodate very rough surfaces. For Additional details including mixing ratios/loading rates for specific machine sizes and visual keys for proper application, please consult Profile® Application Guide for HP-FGM™ and ET-FGM™.

Slope Gradient / Condition	Rate (lb/ac)	Rate (kg/ha)
≤ 4H to 1V	2,500	2,800
> 4H to 1V and ≤ 3H to 1V	3,000	3,400
> 3H to 1V and ≤ 2H to 1V	3,500	3,900
> 2H to 1V and ≤ 1H to 1V	4,000	4,500
> 1H to 1V	4,500	5,100
Below ECB or TRM	1,500	1,700
As infill for TRM*	3,500	3,900

*Use only approved and tested Futerra® Turf Reinforcement Mats (TRMs) to create the GreenArmor™ System.

INSTALLATION:

Strictly comply with equipment manufacturer's installation instructions and recommendations. Use approved hydroseeding machines with fan-type nozzle (50-degree tip). To achieve optimum soil surface coverage, apply HP-FGM from opposing directions to soil surface. Rough surfaces (rocky terrain, cat tracks and ripped soils) may require higher application rates to achieve 100% cover. Slope interruption devices or water diversion techniques are recommended when slope lengths (3H:1V) exceed 100 feet (30 m). Slope interruption intervals may need to be decreased based on steeper slopes or other site conditions. HP-FGM is not recommended for channels or areas with concentrated water flow unless used in conjunction with a rolled erosion control product designed to accommodate the anticipated hydraulic conditions. Unless approved by the Manufacturer, no chemical additives with the exception of fertilizer, soil neutralizers and biostimulant materials should be added to this product. To ensure proper application rates, measure and stake area. For maximum performance, apply HP-FGM in a two-step process as follows:

1. *Step One: Apply fertilizer with specified prescriptive agronomic formulations and typically 50% of specified seed mix with a small amount of HP-FGM for visual metering. Do not leave seeded surfaces unprotected, especially if precipitation is imminent.*
2. *Step Two: Mix balance of seed and apply HP-FGM at a rate of 50 lb per 125 gallons (22.7 kg/475 liters) of water over freshly seeded surfaces. Confirm loading rates with equipment manufacturer.*

SEE COMPREHENSIVE CSI FORMATTED SPECIFICATION FOR FURTHER DETAILS

PLEASE NOTE THAT THE INFORMATION PRESENTED HEREIN IS GENERAL INFORMATION ONLY. IT IS FOR CONCEPTUAL USE ONLY AND NOT INTENDED TO BE USED FOR CONSTRUCTION. WHILE EVERY EFFORT HAS BEEN MADE TO ENSURE ITS ACCURACY, THIS INFORMATION SHOULD NOT BE USED FOR A SPECIFIC APPLICATION WITHOUT INDEPENDENT PROFESSIONAL EXAMINATION AND VERIFICATION OF ITS SUITABILITY, APPLICABILITY AND ACCURACY.



EcoFlex™
Flexible Growth Medium™



**GREEN DESIGN
ENGINEERING™**
EARTH-FRIENDLY SOLUTIONS
FOR SUSTAINABLE RESULTS™

ECOFLEX™
HP-FGM CAD
Details Slope

FILE NAME: CAD Details Slope –
EcoFlex HP-FGM.dwg

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SCALE: NOT TO SCALE

SHEET 1 OF 1