

Erosion Control Hydromulch Summary Sheet

9-14.4 Product	Short Term Mulch (Formerly Cellulose or Wood Fiber Mulch – but adds tackifier requirement. Then it was HECP Type 3)	Moderate Term Mulch (Formerly Bonded Fiber Matrix – BFM. Then it became HECP Type 2)	Long Term Mulch (Formerly Mechanically Bonded Fiber Matrix – MBFM or Fiber Reinforced Matrix – FRM. Then it became HECP Type 1)
Slope Protection	85% min. effectiveness	99.5 % min. effectiveness	99.9 % min. effectiveness
Seed Germination Enhancement	200% min	400% min.	420% min.
Curing Time	Check with Mfg.	24 to 48 hrs	Most 24 to 48 hrs or when dry
Materials	No “ingredient” list May be any one or combination of : Wood, paper, straw, hay, cotton, coconut, jute, or hemp and may contain poly fibers. Any hay, cotton, or straw must be treated to kill seeds.		
Acute Toxicity	EPA-821-R-02-123 Methods for Measuring Acute Toxicity of Effluents. Test leachate from recommended application rate receiving 2 inches of rainfall per hour using static test for No-Observed-Adverse-Effect-Concentration (NOEC) Four replicates are required with No statistically significant reduction in survival in 100% leachate for a Daphnid at 48 hours and <i>Oncorhynchus mykiss</i> (rainbow trout) at 96 hours.		
Solvents	Maximums set – see 9-14.4(2)		
Heavy Metals	Maximums set – see 9-14.4(2)		
Water Holding Capacity*	900 % min.		
Organic Matter Content	90 % minimum		
Moisture Content	15% maximum		
Tackifier	4000 cPs Viscosity minimum		
Furnish Premixed	Required		
Industry Guidelines – check with manufacturer			
Advertized Longevity	3 months maximum	6 – 12 months maximum	12 – 18 months maximum
Slope Gradient	Flat to 4H:1V max.	Less than 2H:1V	Less than 1:1
Slope Length	35-40 FT	Less than 75 FT	Less than 100 FT

Refer to 9-14.4(2) for actual hydromulch specifications.

- Hydraulic Mulches will not stand up to concentrated flows – Do not apply in channels or swales unless they are used with an erosion control blanket.
- Break up slope length with wattles, compost socks, or terraces if longer than manufacturer's recommendations.
- Moderate Term and Long Term Mulches need to be applied in more than one layer, in addition to the seeding layer that is specified in 8-01.3(2)D
- The 2-step seeding process is very important. Seed needs to be in contact with the soil.

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