



HYDRACM

STEEP SLOPE MATRIX™



Installation and Application Guide

A **tensar** Company

SUBSTRATE AND SEEDBED PREPARATIONS

1. Examine substrates and conditions where materials will be applied. Apply product to geotechnically stable slopes.

INSTALLATION

Strictly comply with manufacturer's installation instructions and recommendations. For optimum pumping and application performance use approved mechanically agitated, hydraulic seeding/mulching machines. Apply HydraCM from opposing directions to achieve maximum soil coverage.

MIXING

1. Fill tank of a mechanically agitated hydroseeding machine with sufficient water to suspend seed and fertilizers
2. Add all soil amendments (seed, fertilizer, etc)
3. Continue adding water slowly while adding the HydraCM at a steady rate.
4. Consult application and loading charts to determine the proper application rates. Mix at a rate of 50 lbs of HydraCM per 100 gallons of water. Confirm loading rates with equipment manufacturer.
5. All mulch should be loaded when the tank is approximately ¾ full.
6. Agitate for a minimum of fifteen minutes after adding the last amount of mulch.
7. For machines with variable speed agitation bring agitator to a slow roll while maintaining high RPMs.

APPLICATION

1. Apply the HydraCM in a uniform layer from two opposing directions to ensure complete soil coverage. Irregular surfaces may need slightly higher application rates to obtain adequate coverage.

Apply materials at the following minimum application rate*:

Minimum Application Rates	
SLOPE	APPLICATION RATE
2H:1V	4,000 lbs./ac (4,500 kg/ha)
≥ 3H:1V and < 2H:1V	3,500 lbs./ac (3,900 kg/ha)
≥ 4H:1V and < 3H:1V	3,000 lbs./ac (3,400 kg/ha)
< 4H:1V	2,500 lbs./ac (2,800 kg/ha)

*HydraCM is for moderate applications only

2. Material should not be applied in channels, swales, or other areas where concentrated flows are anticipated, unless installed in conjunction with a temporary erosion control blanket or permanent turf reinforcement mat. HydraCM may be applied on saturated soils.

CLEANING AND PROTECTION

Clean equipment properly after use of this product to ensure that the HydraCM is removed from the pump, tank, and hoses. Clean spills promptly. Do not allow foot traffic or grazing on treated areas until vegetated. Be cautious of slippery surfaces while applying.

Warning: Do not store near an open flame or heat source. Use caution when stacking units.



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Helpful Tips for Use of High Performance Hydromulches

- HydraCM is most easily introduced to the slurry by cutting the lower portion of the bag on 3 of the 4 sides, thus leaving the bottom portion of the bag attached. Next, make a slit in the upper portion of the bag to create an air hole, allowing the HydraCM to drop into the tank for instant agitation.
- Avoid dropping the bag, a piece of the bag, or any foreign objects into the slurry. If this should happen, is imperative to stop the machine before the object reaches the pump.
- Agitate HydraCM for a minimum of ten minutes then reduce the paddle speed to a slow roll to prevent cavitations.
- Maintain paddle speed during the application process.
- Avoid blasting the soil's surface during application by utilizing the appropriate nozzle. For short distance applications use a fan-tip nozzle. Using a long distance nozzle at close range could significantly alter the soil's surface.
- All hydroseeders have a bypass valve that increases/decreases the amount of pressure within the lines. Most erosion control professionals choose not to use the bypass valve due to its sensitivity. Instead, the pressure is adjusted by fluctuating RPMs of the motor accordingly.
- After applying the mulch in opposing directions, it is beneficial to spray the mulch upward in a lofting manner to produce a cap for the mulch's surface.
- The green dye in HydraCM is UV sensitive, which will allow the green color to fade in approximately in seven days. However, avoid spraying houses, mailboxes, cars and other objects directly with HydraCM.
- Lubricate the hose at the beginning of filling process (water filling stage before adding mulch or additives) by opening the nozzle valve and pumping only water through the hose. Turn the nozzle valve off trapping water in the hose. This lubricates the hose and assists in preventing hose clogs.