

PART 1 General

1.1 RELATED SECTIONS

- .1 Section 32 92 19 - Mechanical Seeding.

PART 2 Products

2.1 MULCH

- .1 Wood cellulose fibre product free of germination or growth inhibiting ingredients and shall form, after application, a blotter-like ground cover which will allow absorption and percolation of water.
- .2 Mulch shall be dry, free of weeds and all foreign matter.
- .3 Acceptable products: Silva-Fibre, or approved equal in accordance with B6.

2.2 WATER

- .1 Water used for hydro mulching shall be free of any impurities, which would inhibit germination, or otherwise adversely affect grass growth.

2.3 TACKIFIER

- .1 All wood cellulose fibre mulch shall be applied in a slurry containing a tackifier at a rate as directed by the manufacturer.
- .2 Acceptable products: Terra Tack II, Turf Master Hydroseal or Curisol AH, or approved equal in accordance with B6.

2.4 EROSION CONTROL BLANKET

- .1 Biodegradable erosion control blankets
- .2 Acceptable products: GeoJute 'Geojute Antiwash' 4x225 as supplied by Brockwhite Construction Materials, or approved equal in accordance with B6.

PART 3 Execution

3.1 PROTECTION

- .1 Do not permit passage of any vehicle directly on hydromulch or erosion control blanket at any time.

3.2 WORKMANSHIP

- .1 Do not spray onto structures, signs, guide rails, fences, plant material, utilities and other than surfaces intended.
- .2 Clean-up immediately, any material sprayed where not intended, to satisfaction of Consultant.
- .3 Do not perform work under adverse field conditions such as wind speeds over 10 km/h, frozen ground or ground covered with snow, ice or standing water.

3.3 CONSTRUCTION METHOD

- .1 Obtain approval of seeding by the Contract Administrator prior to hydro mulching operations.

- .2 Contractor shall provide the Contract Administrator with a minimum of two working days notice for inspection of the seeded area.
- .3 Apply hydro mulch within 24 hours of seeding.
- .4 Prior to beginning hydro mulching operations, the Contractor shall place marker stakes throughout the project site to delineate the area to be covered by each tank load of slurry mix.
- .5 Each tank load of mix shall be completely and evenly discharged over the entire area bounded by the stakes.
- .6 Materials shall be mixed as required and installed to meet the following rates of application and as required by mulch and tackifier manufacturer's specifications:
 - .1 Mulch: 2000 kg/ha; (20 kg/100 m²).
 - .2 Tackifier: 50 kg/ha; (0.5 kg/100 m²).
 - .3 Water: As required to completely suspend all material.
- .7 Apply slurry uniformly, at optimum angle of application for adherence to surfaces and germination of seed.
 - .1 Using correct nozzle for application
 - .2 Using hoses for surfaces difficult to reach and to control application.
- .8 Re-apply where application is not uniform.
- .9 Remove slurry from items and areas not designated to be sprayed.

3.4 INSTALLATION OF EROSION CONTROL BLANKET

- .1 Place erosion control blanket immediately after seeding.
- .2 Obtain approval of mechanical seeding prior to installing erosion control blanket.
- .3 Place erosion control blanket material by unrolling onto graded surface in manner and locations indicated and retain in position in accordance with manufacturer's recommendations.
- .4 Place erosion control blanket on sloping surfaces in one continuous length from toe of slope to top of embankment, slope or swale.
- .5 Overlap each successive strip of erosion control blanket 100 mm over previously laid strip.
- .6 Join successive strips of erosion control blanket as recommended by manufacturer.
- .7 Protect erosion control blanket from displacement and damage before and during placement.
- .8 Replace damaged or deteriorated erosion control blanket to approval of Consultant.

3.5 ACCEPTANCE

- .1 Mulched areas will be accepted by Consultant provided that:
 - .1 Plants are uniformly established. Seeded areas are free of rutted, eroded, bare or dead spots.
 - .2 Areas have been mown at least twice.
 - .3 Erosion control blanket has deteriorated as per manufacturer's specifications.

- .2 Areas seeded in fall will achieve final acceptance in following spring, one month after start of growing season provided acceptance conditions are fulfilled.

3.6 CLEAN UP

- .1 Upon completion of installation, remove construction and accumulated dirt, surplus materials, rubbish, tools and equipment barriers in accordance with section 01 74 00 – Cleaning and Waste Processing.

END OF SECTION