EROSION & SEDIMENT CONTROL

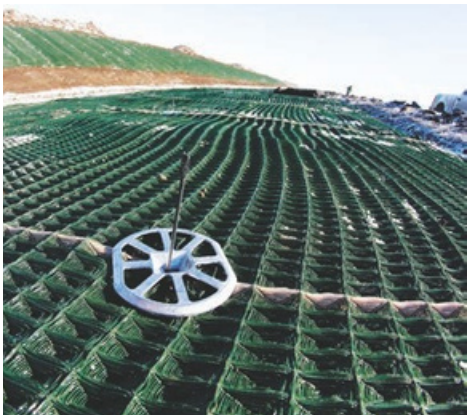
Whether you want to prevent soil erosion caused by rain, water and wind, or protect waterways from the inevitable build-up of silt, sediment or debris from nearby construction sites, Ontario Agra offers effective engineered products to meet your needs.

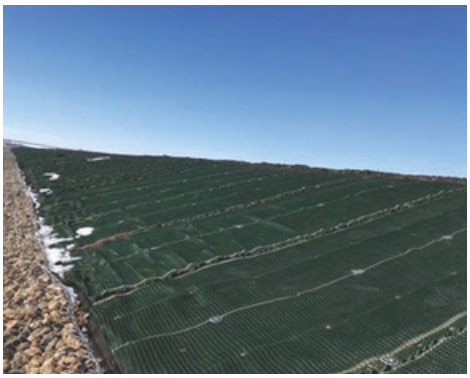
Armormax®

- Flexible and durable armoring system featuring PYRAMAT® woven three-dimensional High Performance Turf Reinforcement Mat (HPTRM) with X3® fiber technology and Engineered Earth Anchors (EEAs).
- Designed for severe erosion and surficial slope stability challenges.
- Suited for arid and semi-arid environments where vegetation densities of less than
- 30% coverage are anticipated.
- Securely anchors to the subgrade for long-term design life.
- Withstands extreme hydraulic stresses and resists non-hydraulic damage.

Benefits:

- Provides up to 75 years of design life.
- Supports the EPA Green Infrastructure initiative.
- Recognized as a stormwater Best Management Practice (BMP). Proven to reduce erosion and reinforce vegetation for
- low-impact, sustainable design.
- Easy to handle, lightweight components for rapid installation.
- Use of lightweight equipment and unskilled labor facilitates
- installation with limited site access.
- Aesthetically pleasing and more cost effective than conventional
- methods such as rock riprap and concrete paving.





Used For:

- Slopes
- Levees
- Arid/semi-arid stormwater channels
- Canals
- Stream and river banks

☎ (905) 386-1744

Fabric Formed Concrete Armor

- Slightly dimpled double-wall woven nylon geotextile resembling pocket-like forms pumped with a water rich cement mixture.
- Forms are placed, sewn together with hand
- held sewing machines then filled.
- Cured cement is encased within fabric creating
- a final product that is as strong as reinforced
- concrete.

Benefits:

- Highly impermeable.
- Mitigates uplift forces due to outflow and excess pore
- water pressure.
- Reduces hydraulic uplift by slowing channel velocities.
- Conforms to soil contours reducing potential for under scour.
- Fast and economical construction.

Used For:

- Slope revetments.
- Landfill containment systems. Holding ponds.
- Bridge scour repair.
- Bridge or dock piling reinforcement.

Erosion Control Blanket

- Made of various degradable materials, such as straw and coconut, mechanically stitch- bonded to a polypropylene or biodegradable netting structure.
- Supplied in easy to install rolls.

Benefits:

- Offers dimensionally stable protection to better hold seeds and soil in place, and encourage rapid growth.
- Helps increase water infiltration into the soil.
- Retains soil moisture to promote seed germination.

Used For:

- Short-term: mild slope and channel applications requiring erosion control for up to 12 months depending on moisture, light, and environmental conditions.
- Extended-term: extreme slope and channel applications
- requiring erosion control for up to 36 months depending
- on moisture, light, and environmental conditions.

☎ (905) 386-1744

Turf Reinforcement Mat

- A permanent, non-degradable, three-dimensional matting structure formed of vegetative growth and synthetic materials.
- Designed for use on critical slopes and channels
- requiring permanent erosion control and turf
- reinforcement.
- Available in polypropylene, polypropylene/coconut,
- & polypropylene/straw.
- Supplied in easy to install rolls.

Benefits:

- A high strength non-rigid alternative to concrete. Asphalt and stone riprap systems.

Used For:

- Steep slopes.
- Drainage ditches and channels. Irrigation and storm water ponds. Levees, dams, & dikes.
- Agricultural applications. Environmental applications.

Straw Wattle

- Elongated tube of compacted straw and/or other fibers wrapped in UV stabilized degradable tubular polypropylene plastic netting.
- Used for temporary erosion and sediment control
- applications.
- Designed to allow runoff/water to penetrate through
- the fiber while reducing sediment migration.
- Functional longevity is approximately 6-24 months,
- depending on moisture, light, and environmental
- conditions.
- Available in 12, 9 or 6 inch diameter.

Benefits:

- Cost effective alternative to other sediment
- trapping devices.
- Around catch basin inlets.
- Works in conjunction with surface roughening,
- straw mulching, bonded fiber matrix, hydroseeding
- and erosion control blankets to further reduce
- erosion and sediment migration.

Used For:

- Along the contours or at the base of a slope to help reduce soil erosion and retain sediment.
- Around catch basin inlets.

☎ (905) 386-1744

Turbidity Curtain

- A geosynthetic barrier made with high strength geotextile or vinyl fabric, equipped with a heavy- duty float and ballast weight chain system that suspends the curtain in the water.
- Works as a shield to protect aquatic ecosystems
- by stopping solid particles from going into aquatic
- environments.
- Gives silt and sediment time to settle instead of
- flowing into other parts of the body of water.
- Available in standard and custom sizes.

Benefits:

- Modular and reusable.

Used For:

- Waterways near construction sites.

Silt Fence

- A temporary sediment control device made of geotextile stretched between a series of wooden stakes.
- Geotextile is manufactured with UV stabilized,
- high tenacity polypropylene yarns woven to form a
- dimensionally stable network.
- Protect waterways from sediment & silt
- contamintation.

Benefits:

- Highly durable and provides excellent water flow and silt retention.
- Can withstand concentrated flows, heavy winds, and
- retain up to 18 inches of sediment.

Used For:

- Along perimeters of construction sites.
- Below the toe or down slope of exposed and
- erodible slopes.
- Along streams and channels.
- Around temporary spoil areas and stockpiles.
- Below other small cleared areas.

sales@ontarioagra.ca
(905) 386-1744
https://www.ontarioagra.ca

5377 Elcho Road
Wellandport, ON L0R 2J0