

MINING WATER DIVERSION CHANNEL EROSION PROTECTION




HydroTurf[®]
Advanced Revetment Technology



ENGINEERED SYNTHETIC TURF

HYDROBINDER® INFILL (5,000 psi)

GEOMEMBRANE



Used by mining operations throughout the U.S., HydroTurf® is a three-layered, engineered revetment system that was developed to meet the challenges of steep, high velocity channels and spillways on mining sites. It is both a flexible and impermeable hard armor technology which has lower construction and maintenance costs than traditional armoring products (i.e., concrete, rock riprap, articulated concrete block (ACB), and pipe).

HydroTurf is Ideal for:

- Sites with contaminated stormwater
- Contaminated sites to prevent contact surface water
- Remote and difficult access areas
- Longer, steeper slopes
- High runoff velocities
- Rugged areas with arid climates and acidic soils
- Relining of concrete channels
- Sites with challenging storm water conditions



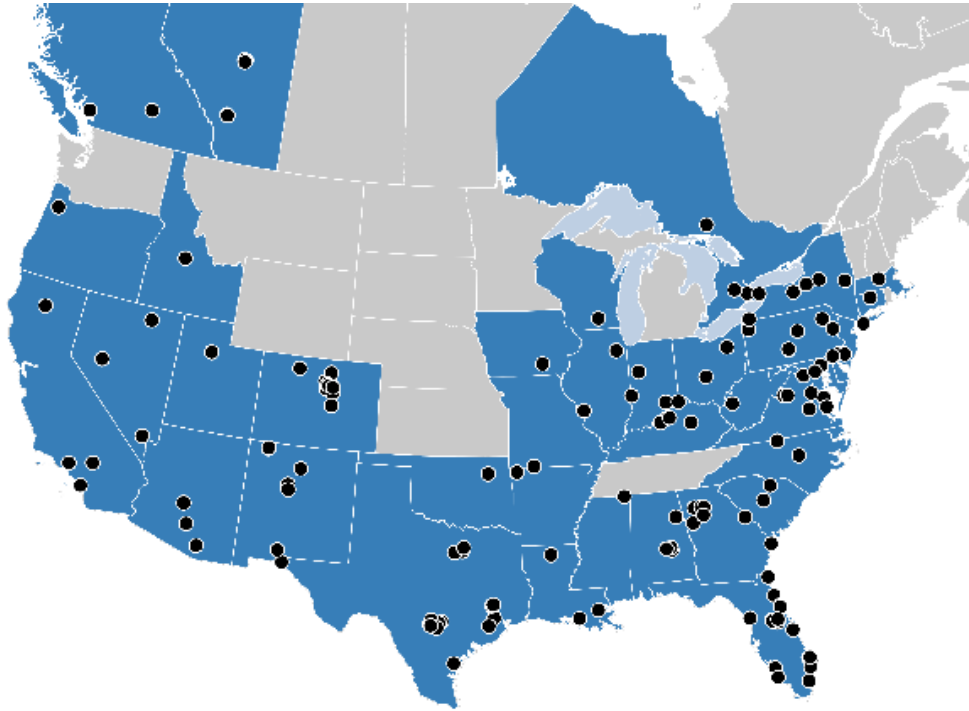
HydroTurf establishes long-term erosion control contributing to both environmental standards and ESG corporate benefits. The system is a Best Management Practice (BMP) that results in cleaner storm water runoff and reduces downstream maintenance of sediment ponds. HydroTurf is an impermeable solution that reduces contamination of surface and groundwater, resulting in reduced water treatment costs and site liability.

HydroTurf® Benefits over Traditional Armoring Solutions:

- Flexible solution that performs under ongoing settlement
- Saves significant construction and maintenance costs
- Installs fast for rapid stabilization
- Significantly improves water quality
- Reduces truckloads on and off the site
- Reduces carbon footprint
- Easy to implement/incorporate with phased development
- Offers six different style colors to match the natural terrain



HydroTurf® has over 6,300,000 SF installed across North America.



HydroTurf® has been comprehensively tested at Colorado State University (CSU). CSU has long been a leader in hydraulic modeling and overtopping performance testing. HydroTurf exceeded CSU's maximum generated steady state overtopping velocity of 40 fps with no erosion.

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WG WatershedGeo®
Unearthing Solutions

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