

Filtrex[®] Terawet Teragel™

Vegetation Enhancement Technology

TERAWET TERAGEL™

Description

Terawet Teragel™ is a copolymer moisture absorbent and wetting agent designed to aid in **water retention and water availability to increase plant survivability** in drought prone and semi-arid environments. Terawet Teragel™ is available in granular form. This Support Practice™ is specifically designed to be used with Temporary seeding/Slope protection/Storm water blankets.

Function

The addition of Terawet Teragel™ to any Filtrex[®] GrowingMedia™ BMP can decrease the vegetation establishment time and time to 70% uniform cover, and increase grass biomass (above ground). These three benefits will function to increase erosion control, slope stabilization, and success of any vegetation establishment and/or slope stabilization project. Vegetation cover has been shown to be effective at reducing moisture loss in various growing media and soils; therefore, reduced irrigation or increased survivability during dry periods may be an additional benefit to adding Terawet Teragel™ to Filtrex[®] BMPs that utilize GrowingMedia™. Independent laboratory testing conducted at the University of Georgia showed that the addition of Terawet Teragel™ to grass seeded Slope protection, relative to grass seeded Slope protection without Terawet Teragel™, reduced vegetation establishment time from 8 days to 6 days (25% reduction), reduced time to 70% uniform vegetated cover from 9 weeks to 8 weeks (11% reduction), reduced time to 90%

cover from 12 weeks to 9 weeks (25% reduction), and increased grass biomass by 42% 12 weeks after installation. For more information on this project see Filtrex[®] Tech Link #3315 in the Appendix.

Installation

1. Where required, Terawet Teragel™ shall be surface applied manually or mechanically over the entire surface of Temporary seeding/Slope protection/Storm water blankets during installation.
2. Terawet Teragel™ may be mixed and uniformly blended with specified grass seed, and applied together in one step on a uniform coverage basis to the area where moisture retention for vegetation establishment is specified.
3. Terawet Teragel™ shall be applied at a rate of 12.5 lbs/1000 sq. ft or 550 lbs/acre (625 kg/ha).

Inspection & Maintenance

Terawet Teragel™ may be reapplied if application is not uniform, a large runoff event occurs prior to vegetation establishment, if dry areas appear localized on surface application, cover is not uniform, or uniform cover is less than 70%.

Method of Measurement

Bid items shall show measurement Terawet Teragel™ + Filtrex[®] BMP per square ft, per square yd, per square m, per hectare, or per acre installed.

ADDITIONAL INFORMATION

For other references on this topic, including trade



magazine and press coverage, visit the Filtrexx® Website at: <http://www.filtrexx.com/resourcespress.htm>.

For research reports not included in the Appendix, visit: <http://www.filtrexx.com/resourcesreports.htm>.

Filtrexx® International, LLC
Technical Support
35481 Grafton Eastern
Grafton, OH 44044
440-926-2607
440-926-4021 (fax)
Website: www.filtrexx.com
Email: info@filtrexx.com

See website or call for complete list of international installers.

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