

Geosource Solution Center

Project Name: Benedictine College Memorial Grotto

Project Location: Atcheson, Ks

Purpose of Project: Vegetate and Stabilize very steep slopes

Products: Profile Product's Green Armor System

SCOPE: When Benedictine College wanted to stabilize and vegetate the steep (1:1) Loess soil hillside surrounding the newly created Memorial Grotto, they knew that they would have to use a system that was not only affordable but as close to a sure thing as possible. They needed to get it right the first time. It was already past the normal seeding date for the year and the access to the slope was limited so that repairs would be next to impossible.

DESIGN SOLUTION: The solution was a geosynthetically reinforced and vegetated system that resulted in a slope that looked like a finely manicured lawn. The Profile Products GREENARMOR System was the answer. The GREENARMOR System combines engineering and agronomic excellence to create one of the world's most effective Green-Engineering alternatives. Enkamat TRM (Turf Reinforcement Mat) provides a permanent, lofty and open matrix that is hydraulically infilled with Flexterra FGM (Flexible Growth Medium) to intimately bond soil and seeds while accelerating growth. This unique system protects against elevated levels of hydraulic lift and shear forces while encouraging turf establishment and long-term root reinforcement. The results: growing denser vegetation, faster, in areas where common TRMs have fallen short. This synergistic combination of cost effective technologies enables the GREENARMOR System to provide unprecedented levels of design safety.



Installing the Enkamat base.



3 weeks later with vegetation sprouting.



3 dimensional TRM Structure installed with 6" staples



Hydraulically applying Flexterra FGM in and on the Enkamat TRM structure



A look at the finished product.

Calendar of Events

October 19-20-Greening Midwest Communities-MU/HBA-Jefferson City, MO
www.muconf.missouri.edu/gmcc/

Oct. 26-28 Great Rivers IECA Fall Conference-Omaha, NE
www.greatriversieca.org

Nov. 14-16-APWA Fall Conference-Lake of the Ozarks
<http://missouri.apwa.net/>

Nov 17-19-GreenBuild 2010, Chicago, IL
www.greenbuildexpo.org

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We need one thing from you-your email address. We will not give your address out to any of our manufacturers, trade associations or anyone else. We value your security and would never jeopardize our relationship with you. We know we are in the era of way too many emails but we do hope you see a value in our newsletter.

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