



## **Western Excelsior – Approved in the Lone Star State**

9/30/2005

For Immediate Release

Western Excelsior recognizes the importance of an ongoing program of performance evaluation, testing and research. Thus, Western Excelsior initiated a program to evaluate a series of Rolled Erosion Control Products (RECPs) at the Texas Department of Transportation's (TxDOT) erosion control evaluation facility in College Station, Texas. The objective of the testing program was to evaluate each product with respect to the established TxDOT standards utilizing the TxDOT testing protocols at the Texas Transportation Institute (TTI) facility. The testing program was initiated during the summer of 2004 and is scheduled to be completed by the end of 2005. This update provides the results of the program to date.

Within the TTI facility and TxDOT protocols, a variety of tests are performed. Each product's index properties are measured and recorded. Channelized flow and rainfall testing are performed as per the request of the manufacturer. Germination testing is conducted on each product undergoing the channelized flow protocol. A series of tests is performed on multiple samples for both channelized flow and rainfall testing. Results from testing are evaluated with respect to the established TxDOT standards and categorized by performance. Channelized testing is conducted on eighteen inch wide by fifteen foot long samples which have been seeded and allowed to establish vegetation for a minimum of ninety days. Rainfall testing is conducted on six foot wide by thirty foot long samples which are exposed to a series of rainfall events in an unvegetated condition.

Western Excelsior submitted 12 products to be evaluated under channelized conditions and 9 under rainfall conditions. Tables 1 and 2 show which products have been tested, evaluated and are now maintained on the approved products list by TxDOT:

Table 1. Channelized Testing Approved Products

Channelized Testing Partially Vegetated Shear Stress Threshold	2.0 lb/ft <sup>2</sup>	4.0 lb/ft <sup>2</sup>	6.0 lb/ft <sup>2</sup>	8.0 lb/ft <sup>2</sup>	10.0 lb/ft <sup>2</sup>	12.0 lb/ft <sup>2</sup>
	E	F	G	H	I	J
SS-2	Accepted					
R-1	Accepted					
PP5-8	Accepted					
PP5-10	Accepted					
PP5-12	Accepted					

Table 2. Rainfall Testing Approved Products

Rainfall Testing Unvegetated Slope Sediment Yield Threshold	Clay < 3H :1V	Sand < 3H :1V	Clay > 3H :1V	Sand > 3H :1V
	A	B	C	D
SR-1	Accepted		Accepted	
CS-3	Accepted		Accepted	
PP5-8		Accepted		Accepted
CS-3 AN	Accepted			
CC-4	Accepted			
PP5-10	Accepted			

For more information about the TxDOT testing procedure, to learn more about Western Excelsior’s line of products or for recommendations on use and application of the approved products, contact Western Excelsior at 1-800-833-5873.

Western Excelsior – Engineered Environmental Stewardship by

“Blanketing Nature with Nature”