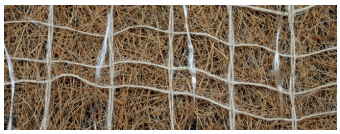
Selection Guide

Erosion Control

LIST OF DECISION-MAKING PARAMETERS TO GUIDE THE SELECTION OF AN EROSION CONTROL PRODUCT

Slope / Embankment	Channel		Products		
Slope	**Shear strength**	**Velocity**	**Natural mat**	**Synthetic products**	**Longevity**
≤ 3H: 1V	74 Pa	1.4 m/s	Straw 1F	-	≤ 12 months
≤ 2H: 1V	84 Pa	2.1 m/s	Straw 2F BIO	-	≤ 12 months
			Wood ST-0.73 2F BIO	-	≤ 18 months
≤ 1.5H: 1V	96 Pa	2.6 m/s	Straw-Coco 2F BIO	-	≤ 24 months
≤ 1H: 1V	-	2.4 m/s	Woven coco 400	-	≤ 36 months
	108 Pa	2.7 m/s	Coco 2F BIO		
	120 Pa	3.1 m/s	Wood HD-0.98 2F BIO		
	-	3.7 m/s	Woven coco 700		
	-	3.7 m/s	Woven coco D-70		
	-	4.9 m/s	Woven coco 900		
≤ 0.75H: 1V	156 Pa	3.4 m/s	Wood HD-1.62 2F BIO	-	> 36 months
≤ 0.5H: 1V	479 Pa	5.5 m/s	-	X3 TRM450	> 25 years
	575 Pa	6.1 m/s		3D TRM25	
	766 Pa	7.6 m/s		3D HPTRM75	
≤ 0.35H: 1V	-	3.0 m/s		Geocell with stone	> 25 years
		6.0 m/s		Geocell with grass	
		7.0 m/s		Geocell with concrete	

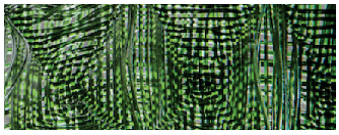
STRAW BIO



COCO BIO

WOVEN COCO

WOOD BIO



3D HPTRM

GEOCELL

CONCRETE MAT

It is important for the product to conform well to the surface on which it is installed. For anchoring natural mats, U-shaped staples or wooden stakes are generally used at a minimum rate of 2 per m². Synthetic products can be anchored using J-shaped staples, tendons, or an anchoring key, depending on the product type and its application.

Refer to brochures, calculation tools, and installation guides for more details.