


## ORGANIC BLANKETS FOR EROSION CONTROL

- Absorb the kinetic energy produced by the erosive particle –water drops, wind, snow, etc.-
- Increase water retention capacity of the soil since they avoid water loss due to evaporation.
- Regulate the soil temperature since they protect it from heat and cold exposure.
- Become a component of the soil itself developing into an organic horizon.
- Complement to auxiliary elements in the public work like curbs, ditches, etc
- Reduce the conservation costs because they avoid soil losses which filled and damaged drainages and ditches.
- High performance and complete landscaping integration.
- Easy installation and low costs

### BONTERRA SE

(STRAW – ESPARTO ORGANIC BLANKET)

#### TECHNICAL DATA

<b>Applications</b>	- Medium laminar erosion	
	- 3:1, 2:1 y 1:1 slopes. Maximun slope length: 40m	
<b>Composition</b>	<b>Natural:</b> 50% Straw, 50% esparto (Approx. density: 307-407 g/m <sup>2</sup> ) <b>Synthetical:</b> polypropylene (Density 17,97 g/m <sup>2</sup> )	
<b>Presentation</b>	In Rolls	<b>Length:</b> 40m <b>Width:</b> 2m <b>Approx. Diameter:</b> 0,45m
<b>Structure</b>	<b>Thread:</b> Polypropylene (PP)1000 den	<b>Weight:</b> 3,33g/m <sup>2</sup> <b>Colour:</b> brown <b>Toughness:</b> 4,12g/den
	<b>Netting on bonth sides:</b> polypropylene (PP)	<b>Bottom netting:</b> Natural polypropylene <b>Weight:</b> 7,32g/m <sup>2</sup> <b>Mesh size:</b> 14,94 mm x 12,70mm <b>Lengthwise tensile strength:</b> 0,87 KN/m <b>Crosswise tensile strength:</b> 0,85 KN/m <b>Top netting:</b> Brown Polypropylene & UV stabilizer treatment <b>Weight:</b> 7,32g/m <sup>2</sup> <b>Mesh size:</b> 14,94 mm x 12,70mm <b>Lengthwise tensile strength:</b> 0,87 KN/m <b>Crosswise tensile strength:</b> 0,85 KN/m
<b>Average breaking strength</b>	<b>Lengthwise</b> 3,63 KN/m <b>Crosswise</b> 1,81 KN/m	

**BonTerra Ibérica: Efficiency against erosión**

BonTerra is member of:

C/ Atlanta, 4 - Bajo. Portal C  
18014 Granada España  
Tel.: +34 902 200 502 Fax: +34 958 172 285  
[tecnico@bonterraiberica.com](mailto:tecnico@bonterraiberica.com)



## WIDE-WIDTH TENSILE TEST

Standard: UNE EN ISO 10319:1996

Apparatus: INSTRON Dynamometer

Direction	Average breaking strength (KN/m)	C.V.(%)	Extension at max. Load (%)	C.V.(%)
Lengthwise	3.63	10.1	24.98	4.2
Crosswise	1.81	6.3	29.38	9.4

Direction	Percentage	Average secant module (KN/m)	C.V. (%)
Lengthwise	2%	11.75	17.4
	5%	13.2	25.2
	10%	15.75	22.8
Crosswise	2%	12	7.2
	5%	10.1	4.9
	10%	9.05	3.9

Direction	Rate of deformation (%/ min.)
Lengthwise	17
Crosswise	18

**BonTerra Ibérica: Efficiency against erosion**

C/ Atlanta, 4 - Bajo. Portal C  
 18014 Granada España  
 Tel.: +34 902 200 502 Fax: +34 958 172 285  
[tecnico@bonterraiberica.com](mailto:tecnico@bonterraiberica.com)

BonTerra is member of:

