

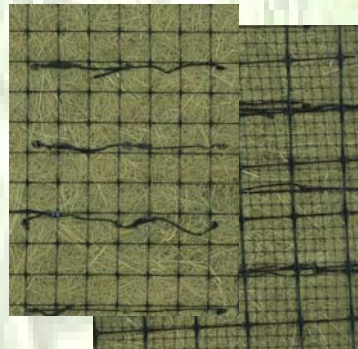
## ORGANIC BLANKETS FOR EROSION CONTROL

- 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 2E3R

(ESPARTO, DOUBLE DENSITY ORGANIC BLANKET TRIPLE REINFORCED NETTING)

#### TECHNICAL DATA

<b>Applications</b>	-Green walls -Ditch erosion (<2,5 m/s)		
<b>Composition</b>	<b>Natural:</b> 100 % Coir (Approx. density: 410-610 g/m <sup>2</sup> ) <b>Synthetic:</b> polypropylene (Density 89,74 g/m <sup>2</sup> )		
<b>Presentation</b>	In Rolls	<b>Length:</b> 40m <b>Width:</b> 2m <b>Approx. Diameter:</b> 0,60m	
<b>Structure</b>	<b>Thread:</b> Polypropylene (PP)1000 den	<b>Weight:</b> 3,33g/m <sup>2</sup> . <b>Colour:</b> black. <b>Toughness:</b> 4,12g/den	
	<b>Netting on both sides and another between the upper and fiber: polypropylene (PP)</b>	<b>Bottom netting:</b> black polypropylene <b>Weight:</b> 19,53g/m <sup>2</sup> <b>Mesh size:</b> 19,54 mm x 19,54mm <b>Lengthwise tensile strength:</b> 2,106 KN/m <b>Crosswise tensile strength:</b> 2,163 KN/m	
		<b>Intermediate netting:</b> black polypropylene <b>Weight:</b> 18,06g/m <sup>2</sup> <b>Mesh size:</b> 6,86 mm x 6,35mm <b>Lengthwise tensile strength:</b> 2,062 KN/m <b>Crosswise tensile strength:</b> 1,810 KN/m	
		<b>Top netting:</b> black polypropylene <b>Weight:</b> 48,82g/m <sup>2</sup> <b>Mesh size:</b> 31,75 mm x 31,75mm <b>Lengthwise tensile strength:</b> 3,829 KN/m <b>Crosswise tensile strength:</b> 4,763 KN/m	
<b>Average breaking strength</b>	<b>Lengthwise</b> 9,34 KN/m <b>Crosswise</b> 8,14 KN/m		

**BonTerra Ibérica: Efficiency against erosion**

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## 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	9.34	5.2	20.0	5.4
Crosswise	8.14	4.2	19.48	4.3

Direction	Percentage	Average secant module (KN/m)	C.V. (%)
Lengthwise	2%	58	18.9
	5%	70.1	5.7
	10%	63.95	7.6
Crosswise	2%	33	41.1
	5%	48.6	13.0
	10%	49.9	4.6

Direction	Rate of deformation (%/ min.)
Lengthwise	18
Crosswise	16

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