


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 E_N

(ESPARTO ORGANIC BLANKET WITH UV STABILIZER TREATMENT NETTING)

TECHNICAL DATA

Applications	Laminar erosion		
	Unfertile and sunny slopes		
Composition	Natural: 100 % esparto (Approx. density: 307-407g/m ²) Synthetical: polypropylene (Density 42,39 g/m ²)		
Presentation	In Rolls	Length: 40m Width: 2m Approx. Diameter: 0,50m	
Structure	Thread: Polypropylene (PP)1000 den	Weight: 3,33g/m ² Colour: black Toughness: 4,12 g/den	
	Netting on both sides: polypropylene (PP)	Top netting: black polypropylene Weight: 19,53g/m ² Mesh size: 19,54 mm x 19,54mm Lengthwise tensile strength: 2,106 KN/m Crosswise tensile strength: 2,163 KN/m	
Average breaking strength		Lengthwise 5,32 KN/m Crosswise 3,78 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	5.32	8.8	32.33	11.4
Crosswise	3.78	8.9	27.42	19.0

Direction	Percentage	Average secant module (KN/m)	C.V. (%)
Lengthwise	2%	25.25	12.2
	5%	24.7	7.4
	10%	23.9	7.8
Crosswise	2%	27.5	5.0
	5%	23.2	1.6
	10%	20.15	1.7

Direction	Rate of deformation (%/ min.)
Lengthwise	20
Crosswise	18

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