

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 2ER

(ESPARTO, DOUBLE DENSITY ORGANIC BLANKET. DOUBLE REINFORCED NETTING)

TECHNICAL DATA

Applications	<ul style="list-style-type: none"> - Ditches and rills - Moderate ditch erosion ($V < 1.5$ m/s) - Wind erosion 	
	<ul style="list-style-type: none"> - Windbreaks - Slopes - Climbing plants support 	
Composition	Natural: 100 % esparto (Approx. density: 416-616g/m ²) Synthetical: polypropylene (Density 83, 33 g/m ²)	
Presentation	In Rolls	Length: 40m Width: 2m Approx. Diameter: 0,60m
Structure	Thread: Polypropylene (PP)1000 den	Weight: 3,33g/m ² Colour: brown Toughness: 4,12g/den
	Netting on both sides: polypropylene (PP)	Bottom netting: Natural polypropylene Weight: 40 g/m ² Mesh size: 25,00 mm x 27,00 mm Lengthwise tensile strength: 2,90 KN/m Crosswise tensile strength : 1,90 KN/m
Average breaking strength	Lengthwise 3,63 KN/m Crosswise 1,81 KN/m	

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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	9.97	7.5	30.42	20.7
Crosswise	6.48	6.5	80.59	7.9

Direction	Percentage	Average secant module (KN/m)	C.V. (%)
Lengthwise	2%	40.5	46.5
	5%	47.7	31.4
	10%	52.85	17.8
Crosswise	2%	34	50.1
	5%	35	30.5
	10%	33.9	14.7

Direction	Rate of deformation (%/ min.)
Lengthwise	20
Crosswise	19

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