

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 S (STRAW ORGANIC BLANKET)

TECHNICAL DATA

Applications	- Moderate laminar erosion		
	- 3:1 Slopes Maximun slope lenght 40 meters		
Composition	Natural: 100 % straw (Approx. density: 282- 482g/m ²) Synthetical: polypropylene (Density 17.97 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: brown Toughness: 4,12g/den	
	Netting on both sides: polypropylene (PP)	Bottom netting: Natural polypropilene Weight: 7,32g/m ² Mesh size: 14,94 mm x 12,70mm Lengthwise tensile strength: 0,87 KN/m Crosswise tensile strength: 0,85 KN/m	Top netting: Brown Polypropylene & UV stabilizer treatment Weight: 7,32g/m ² Mesh size: 14,94 mm x 12,70mm Lengthwise tensile strength: 0,87 KN/m Crosswise tensile strength: 0,85 KN/m
Average breaking strength	Lengthwise 3,63 KN/m Crosswise 1,81 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	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

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