


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 2K3R

(MANTA ORGÁNICA COCO CON DOBLE DENSIDAD TRES MALLAS DE REFUERZO)

TECHNICAL DATA

<p>Applications</p>	<p>- Green walls</p> <p>-High ditch erosion (< 2,5 m/s)</p>	
<p>Composition</p>	<p>Natural: 100 % Coir (Approx. density: 360-560g/m²) Synthetical: polypropylene (Density 89,74g/m²)</p>	
<p>Presentation</p>	<p>In Rolls</p>	<p>Length: 40m Width: 2m Approx. Diameter: 0,50m</p>
<p>Structure</p>	<p>Thread: Polypropylene (PP)1000 den</p> <p>Netting on both sides and another between the upper and fiber: Polypropylene (PP)</p>	<p>Weight: 3,33g/m². Colour: black. Toughness: 4,12g/den</p> <p>Bottom netting: black polypropylene Weight: 19,53g/m² Mesh size: 19,54 mm x 19,54mm Lengthwise tensile strength: 2,106 KN/m Crosswise tensile strength: 2,163 KN/m</p> <p>Intermediate netting: black polypropylene Weight: 18,06g/m² Mesh size: 6,86 mm x 6,35mm Lengthwise tensile strength: 2,062 KN/m Crosswise tensile strength: 1,810 KN/m</p> <p>Top netting: black polypropylene Weight:48,82g/m² Mesh size: 31,75 mm x 31,75mm Lengthwise tensile strength: 3,829 KN/m Crosswise tensile strength: 4,763 KN/m</p>

BonTerra Ibérica: Efficiency against erosion

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Average breaking strength **Lengthwise** 9,34 KN/m
Crosswise 8,14 KN/m

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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