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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, ditchs, 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 K3R

(MANTA ORGÁNICA COCO CON TRES MALLAS DE REFUERZO)

TECHNICAL DATA

Applications	- Very high ditch erosion (V>2.5m/s) - Ditches and rills - Green walls - Climbing plants support	
Composition	**Natural**: 100 % coir (Approx. density: 135-260g/m^2) **Synthetical**: polypropylene (Density 89,74 gr/m^2)	
Presentation	In Rolls	**Length:** 40m **Width:** 2m **Approx. Diameter:** 0,40m
Structure	**Thread:** Polypropylene (PP)1000 den	**Weight:** 3,33g/m^2. **Colour:** black. **Toughness:** 4,12g/den
	Netting on both sides and another between the upper and fiber: polypropylene (PP)	**Bottom 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
		Intermediate netting: black polypropylene **Weight:**18,06g/m^2 **Mesh size:** 6,86 mm x 6,35mm **Lengthwise tensile strength:** 2,062 KN/m **Crosswise tensile strength:** 1,810 KN/m
		Top netting: black polypropylene **Weight:** 48,82g/m^2 **Mesh size:** 31,75 mm x 31,75mm **Lengthwise tensile strength:** 3,829 KN/m **Crosswise tensile strength:** 4,763 KN/m

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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