

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 2KR

(COIR ORGANIC BLANKET. DOUBLE DENSITY. TWO REINFORCED NETTING)

ESPECIFICACIONES TÉCNICAS

| | | |
|----------------------------------|--|---|
| Applications | Ditches, rill Moderate ditch erosion ($V < 1.5$ m/s) | |
| | - Windbreaks - Slopes - Climbing plants support | |
| Composition | Natural: 100 % coir (Approx. density: 366- 566g/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: black Toughness: 4,12g/den |
| | Netting on both sides: polypropylene (PP) | Bottom netting: black 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 Top netting: black 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 9,97 KN/m | |
| | Crosswise 6,48 KN/m | |

BonTerra Ibérica: Efficiency against erosion

BonTerra is member of:

C/ Atlanta, 4 - Bajo. Portal C
18014 Granada España
Tel.: +34 902 200 502 Fax: +34 958 172 285
tecnico@bonterraiberica.com



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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