

# DuraVeg<sup>®</sup> Fibre Matrix<sup>™</sup>

DuraVeg<sup>®</sup> Fibre Matrix<sup>™</sup> is a fully biodegradable, Fibre Matrix (FM) composed of 100% recycled Thermally Refined<sup>®</sup> virgin wood fibres and tackifier. The FM is phytosanitised, contains no plastic components, and upon application forms an intimate bond with the soil surface to create a porous, absorbent and flexible erosion resistant blanket that allows for rapid germination and accelerated plant growth. The FM is weed, seed and pathogen free.

## RECOMMENDED APPLICATIONS

- Erosion control and revegetation for moderate slopes ( $\leq 2H:1V$ )
- Rough graded slopes
- Exceeds Australian Bonded Fibre Matrix (BFM) requirements
- Laboratory Tested in Australia

## TECHNICAL DATA

PHYSICAL PROPERTIES	TEST METHOD	UNITS	TESTED VALUE
ISTA Weed Free <sup>1</sup>	Purity Analysis	Pass/Fail	Pass
Water Holding Capacity	ASTM D7367	%	$\geq 1,200$
Material Colour	Observed	n/a	Green
PERFORMANCE PROPERTIES	TEST METHOD	UNITS	TESTED VALUE
Cover Factor <sup>2</sup>	Large Scale <sup>3</sup>	n/a	0.01 <sup>4,5</sup>
Percent Effectiveness <sup>6</sup>	Large Scale <sup>3</sup>	%	99 <sup>4,5</sup>
Permissible Shear Stress	Large Scale <sup>3</sup>	Pascals	$\geq 20^4$
Permissible Shear Stress	Large Scale <sup>3</sup>	Pascals	$\geq 29^5$
Functional Longevity <sup>7</sup>	ASTM D5338	months	$\geq 6$
ENVIRONMENTAL PROPERTIES	TEST METHOD	UNITS	TESTED VALUE
Elemental Impurity Limits	ASTM D8082	Pass/Fail	Pass
Ecotoxicity	US EPA 2021.0	%	48-hr LC <sub>50</sub> > 100%
Biodegradability	ASTM D5338	n/a	Yes
PHYSICAL PROPERTIES			TYPICAL VALUE
Thermally Refined Wood Fibers <sup>8</sup>			97%
Wetting Agent—Including high-viscosity colloidal polysaccharides			3%

1. DuraVeg FM sample is analysed by an accredited International Seed Testing Association (ISTA) laboratory. 2. Cover Factor is calculated as soil loss ratio of treated surface versus an untreated control surface. 3. Large scale testing conducted at Landloch Pty Ltd. For specific testing information please contact a DuraVeg technical service representative. 4. When tested at 3.5 T/ha 5. When tested at 5 T/ha. 6. Effectiveness = One minus Cover Factor multiplied by 100%. 7. Functional Longevity is the estimated time period, based upon ASTM D5338 testing and field observations, that a material can be anticipated to provide erosion control and agronomic benefits as influenced by composition, as well as site-specific conditions, including; but not limited to – temperature, moisture, light conditions, soils, biological activity, vegetative establishment and other environmental factors. 8. Heated within a pressurised vessel to a temperature greater than 193 degrees Celsius for 5 minutes at a pressure greater than 345 kilopascals in order to be thermally refined/processed and to achieve phyto-sanitisation.

## PACKAGING DATA

PROPERTIES	TEST METHOD	UNITS	NOMINAL VALUE
Bale Weight	Scale	kg	22.7
Bales per Pallet	Observed	#	40

UV and weather-resistant plastic bales. Pallets are weather-proof stretch wrapped with UV resistant pallet cover.

## Proven systems that reclaim and restore environments.

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