

LINKKLOK™ EROSION RANGE

TECHNICAL CHARACTERISTICS

LINKKLOK™ is a combination of the proven turf reinforcement mat (TRM) Landlok®450 and the unique features of double twist mesh provided by the Link® rock fall netting product. Each component is supplied as separate items to ensure that the highly flexible nature of the Landlok® product can be laid and pinned, such that immediate and long term intimate soil contact is achieved to provide positive soil erosion benefits. Overlying the Landlok® 450 TRM is an anchored Link® rock fall netting product to provide good mechanical strength against superficial surface failures and potential rock movement. LINKKLOK® may be supplied using the Landlok® 300 or Pyramat® High Performance Turf Reinforcement Mats (HPTRM) when required. Global Synthetics will provide additional specification details upon client request.

Landlok® 450 is a 100% synthetic, highly UV stabilised product that uses a unique X3® tri-lobal polypropylene fibre that has been demonstrated to provide increased strength and superior growth environment than traditional monofilament fibres used in competitive products. Landlok 450 is additionally stitched along the length direction of the roll and laid between an upper and lower layer of netting to provide increased tensile strength.

Link® double twist mesh is traditionally supplied in a 2m wide by 50 m long roll (other roll lengths and roll widths are available). The product is woven in the unique double twist weave that minimises the potential to unravel. Additionally the Link® carrier netting is protected by a licensed coating process known as Galfan® which is a 95% Zn/5%Al (with rare earth mischmetal additive) that has been independently tested to demonstrate a life of 3-4 times greater than traditional heavily galvanised wire of equal diameter and placed within the same operating environment. Overlying the Galfan® coating is an extruded UV stabilised polymer coating for superior long term life.

MECHANICAL AND PHYSICAL PROPERTIES – Landlok® 450			
PROPERTY	TEST METHOD	UNIT	RESULT – (MARV Value Unless Noted)
Thickness	ASTM D-6525	mm	10.1
Mass per unit area	ASTM D-6566	g/m ²	340
Colour	Visual	Visual	Green
Polymer	Composition	Composition	Polypropylene
Polymer unit mass	ASTM D-792	kg/m ³	905
Polymer Melting point	ASTM D-1505	°C	150
Longitudinal tensile strength	ASTM D-6818	kN/m	5.8
Elongation at break	ASTM D-6818	%	50 max
Transverse tensile strength	ASTM D-6818	kN/m	4.3
Elongation at break	ASTM D-6818	%	50 max
Light penetration (% passing)	ASTM D-6567	%	20
Resiliency	ASTM D-6524	%	90
Flexibility	ASTM D-6575	mg-cm	30,000 av.
Seedling emergence	ECTC Draft Method #4	%	409
UV resistance @1000 hours	ASTM D-4355	%	>80 retained
Roll Size	Manufacturer	m	2 x 42.4
MECHANICAL AND PHYSICAL PROPERTIES – Link Mesh			
Mesh Type	ASTM B-750 and ASTM A975	cm	8x10 (first dimension toleranced)
Tensile Strength	ASTM A-641	kN/m	43
Mass of 95 Zn 5 Al MM Alloy (Galfan®)	ASTM A 856 M-98, Class 80 or EN ISO 10244-2 Class A	g/m ²	245
Diameter of Wire Mesh- Body- Galfan®	EN 10218-2 and EN 10223-3	mm	2.7
Diameter of Selvedge Wire - Galfan®	EN 10218-2 and EN 10223-3	mm	3.4
Average Thickness of Polymer Coating	EN 10245-2	mm	0.5
Diameter of Polymer Coated Wire Mesh- Body	EN 10218-2 and EN 10223-3	mm	3.7
Diameter of Polymer Coated Selvedge Wire	EN 10218-2 and EN 10223-3	mm	4.4
Length Tolerance	Manufacturer	%	1
Width Tolerance	Manufacturer	cm	8 (1 mesh opening)
Roll Length	Manufacturer	m	2
Roll Width	Manufacturer	m	50

LINKKLOK™ is a trademark of Global Synthetics P/L

Disclaimer: All information presented in this document is correct to the best knowledge of the company and given out in good faith. The information presented herein is intended only as a general guide to the use of such products and no liability is accepted by Global Synthetics P/L or Global Synthetics Qld P/L for any loss or damage however arising, which results either directly or indirectly from the use of such information. Global Synthetics P/L and Global Synthetics Qld P/L have a policy of continuous product development so information and product specifications may change without notice.

JUNE 16

