Landlok Reinforcement Mats are perfect for moderate flow storm water channels, banks and steep slopes where both immediate and long term erosion control are needed. A Landlok Reinforcement Mat traps more seed, soil and water than traditional hard armour products, yielding faster and fuller vegetation. Landlok Reinforcement Mats are available in either 1st or 2nd generation material construction. Our Landlok Reinforcement Mats are made of $100 \%$ synthetic, ultraviolet (UV) stabilized materials and are completely non-degradable.

Landlok 450 is a dense web of crimped, interlocking, multi-lobed fibres that uses the X3 fibre technology for exceptionally long life, with a positive benefit of vegetation reinforcement and high UV stability. The product is capable of withstanding flow velocities in excess of $6 \mathrm{~m} / \mathrm{s}$ and withstanding imposed shear forces, generated by flows, of over 475Pa.

# LANDLOK 450 TURF REINFORCEMENT MATS 



PRODUCT SPECIFICATION

| Mass/Unit Area | $340 \mathrm{~g} / \mathrm{m} 2$ |
| :---: | :---: |
| Thickness | 10.1 mm |
| Light Penetration (\% Passing) | $20 \%$ |
| Colour | Green or Tan |
| Elongation | $5.8 \times 403 \mathrm{kN} / \mathrm{m}$ |
| Resiliency | $50 \%(\mathrm{max})$ |
| Flexibility | $90 \%$ |
| UV Resistance @ 1000 hrs | $30,000 \mathrm{mg}-\mathrm{cm}(\mathrm{avg})$ |
| Velocity (vegetated) | $580 \%$ |
| Shear Stress (vegetated) | $479 \mathrm{ma} / \mathrm{sec}$ |
| Seeding Emergence | $409 \%$ |
| Roll Size | $2 \mathrm{~m} \times 42.2 \mathrm{~m}$ |

## NOTES:

1. The property values listed are effective 01/22/2020 and are subject to change without notice.
2. Values represent testing at time of manufacture and are shown as typical values.
3. Maximum permissible velocity and shear stress has been obtained through vegetated testing programs featuring specific soil types, vegetation classes, flow conditions, and failure criteria. These conditions may not be relevant to every project nor are they replicated by other manufacturers. Please contact Propex for $f$ urther information.
4. Calculated as typical values from large-scale flexible channel lining test programs with a flow depth of 6 to 12 inches
