

Grassroots™

The Australian-Made Turf Reinforcement Mat



CERTIFIED QUALITY
MANAGEMENT SYSTEM

ISO 9001

Accreditation number: 81200769AS

ELCO Solutions Pty Ltd
Certification Number: 8264



Product Specification

Material Specifications			
Property	Units	Narrow Roll	Wide Roll
Width (Typical)	m	2.0	4.0
Length (Typical)	m	60	60
Mass (Typical)	g/m ²	400	400
Effective Coverage Area	m ²	114	228
Roll Weight (max)	kg	approx. 50	approx. 100
Colour		Green/Brown	Green/Brown
Material		UV stabilized polypropylene fibres needled into reinforcing mesh	
Reinforcing Mesh		4 x 4 mm openings	
Typical Pinning Details (min.)		200 mm length pins 3.1 mm diameter. 1 m spacings in both directions	

Description

Grassroots™ is a synthetic turf reinforcement mat manufactured in Australia, which protects underlying soil from erosion and provides a reinforcing matrix for vegetative root growth.

Grassroots™ permanently inhibits erosion on slopes and in channels by:

- reducing the influence of raindrop impact
- minimising the erosion of soil particles
- reinforcing the vegetation at the root and stem level
- decreasing the velocity of overland flow, and
- acting as a barrier between the flowing water and the soil surface.

Applications

Grassroots™ can be used in a variety of applications, including:

- embankments - where **Grassroots™** covers the slope and is seeded from above
- channels - where **Grassroots™** lines the channel to protect the underlying soil
- landscaping works - where **Grassroots™** is installed to provide enhanced aesthetics

IMPORTANT NOTICE

The information contained in this brochure is general in nature. In particular the content of this brochure does not take account of specific conditions that may be present at your site. Site conditions may alter the performance and longevity of the product and in extreme cases may make the product wholly unsuitable. Any data or specifications contained in this brochure are average values obtained in our laboratory. Actual dimensions and performance may vary. If your project requires accuracy to a certain specified tolerance level you must advise us before ordering the product from us. We can then advise whether the product will meet the required tolerances. Where provided, installation instructions cover installation of product in site conditions that are conducive to its use and optimum performance. If you have any doubts as to the installation instructions or their application to your site, please contact us for clarification before commencing installation. In all cases we recommend that advice be obtained from a qualified consulting engineer before proceeding with installation. © Copyright held by Geofabrics Australasia Pty Ltd. All rights are reserved and no part of this publication may be copied without prior permission.

Manufactured in Australia by **ELCO Solutions Pty Ltd.** to the ISO 9001:2000 Quality Management System Standard

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