

# Grassroots<sup>®</sup>

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 <sup>2</sup>	400	400
Effective Coverage Area	m <sup>2</sup>	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**<sup>®</sup> 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**<sup>®</sup> 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**<sup>®</sup> can be used in a variety of applications, including:

- embankments - where **Grassroots**<sup>®</sup> covers the slope and is seeded from above
- channels - where **Grassroots**<sup>®</sup> lines the channel to protect the underlying soil
- landscaping works - where **Grassroots**<sup>®</sup> 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.

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

[www.geofabrics.com.au](http://www.geofabrics.com.au)

**MELBOURNE**  
(03) 8586 9111  
Fax: (03) 8586 9186

**SYDNEY**  
(02) 9821 3277  
Fax: (02) 9821 3670

**BRISBANE**  
(07) 3279 1588  
Fax: (07) 3279 1589

**PERTH**  
(08) 9309 4388  
Fax: (08) 9309 4389

**ADELAIDE**  
(08) 8293 3613  
Fax: (08) 8293 1306

**NEWCASTLE**  
(02) 4950 5845  
Fax: (02) 4950 5895

**HOBART**  
(03) 6273 0511  
Fax: (03) 6273 0686

**TOWNSVILLE**  
(07) 4774 8222  
Fax: (07) 4774 8655

**BUNDABERG**  
(07) 4155 9968  
Fax: (07) 4155 9968

M035- 02/07

Technical Enquiries: 1800 4 bidim (1800 424 346)