

# ELCOROCK® Shoreline Protection System



## 2.5m<sup>3</sup> Container Technical Data Sheet

The ELCOROCK® Shoreline Protection System incorporates extremely robust geotextile containers designed to be filled with sand, such that they form a stable, durable container for use in coastal and other hydraulic applications.

The ELCOROCK® Containers are based on ELCOMAX®, a specifically manufactured nonwoven, needle punched, staple fibre geotextile with enhanced filtration, puncture, abrasion and extreme U.V. resistance characteristics. This provides for maximum durability in harsh environments. The sewn seams are uniquely configured to maximise the mechanical characteristics of the geotextile and provide long term durability in a wide range of environments.

Product Designation	Product Description
2.5m <sup>3</sup> Container	The largest of the mechanically filled containers. These containers are used in revetments and groynes due to their large size and high stability, even under the harshest of conditions. Filling and placement of these very large containers is achieved using a specialised hydraulic filling apparatus and placement cradles to ensure complete filling and a consistent, neat finish

Geotextile Property	Test Method MARV (M) or Typical (T)	Composite "1209RP" ELCOMAX®	Standard "1200R" ELCOMAX®
Polymer Type	-	Polyester/Polypropylene	Polyester
Mass	AS3706.1 (M)	>1,860 g/m <sup>2</sup>	>1,130 g/m <sup>2</sup>
CBR Burst	AS3706.4 (M)	>10,700 N	>8,350 N
CBR Elongation	AS3706.4 (M)	>67 %	>60%
Abrasion	BAW Rotating Drum (T)	80 % Strength retained	75 % Strength retained
UV Stability	ASTM D4355-500 hrs (T)	>86 % Strength retained	>80 % Strength retained
	ASTM D4355-1000 hrs (T)	>84 % Strength retained	TBA
	ASTM D4355-2000 hrs (T)	>80 % Strength retained	TBA

Factory Seams	Stitch Type	Polymer	Breaking Strain	UV Stability
Primary	Chain	Polyester	20 kg	70 %
Secondary	Over-lock	Polypropylene	36 kg	70 %

Product Information	
Product	2.5m <sup>3</sup>
Order Code	5223
Typical Filled Dimensions	
Length	2.4m
Width	1.80m
Depth	0.65m
Filled Mass	4,500 kg



### 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. Such conditions include the soil composition, topography, land stability, climate, the present or proposed use of the site and adjacent lands, and many other factors. Those 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 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.

#### Geofabrics Australasia Pty Ltd

Ph: +61-3-8586 9100 Fax: +61-3-8586 9174

Email: sales@geofabrics.com.au

www.geofabrics.com.au

#### Geofabrics International

Ph: +61-7-5594 8600 Fax: +61-7-5563 3727

Email: exports@geofabrics.com.au

www.geofabricsinternational.com