

ELCOROCK® Shoreline Protection System



0.35m³ & 0.75m³ 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
0.35m ³ Container	These containers are the smallest of the ELCOROCK® containers. Generally used on inland protection works, stream protection and small onshore structures in very mild climates and conditions
0.75m ³ Container	These medium sized containers are used typically in sea walls, groyne structures in mild conditions, emergency works and temporary structures due to their versatility and rapid construction techniques.

Geotextile Property	Test Method MARV (M) or Typical (T)	Composite "809RP" ELCOMAX®	Standard "800RX" ELCOMAX®
Polymer Type	-	Polyester/Polypropylene	Polyester
Mass	AS3706.1 (M)	>1,450 g/m ²	>750 g/m ²
CBR Burst	AS3706.4 (M)	>8,400 N	>5,570 N
CBR Elongation	AS3706.4 (M)	>66 %	>64%
Abrasion	BAW Rotating Drum (T)	80 % Strength retained	75 % Strength retained
UV Stability	ASTM D4355-500 hrs (T)	>80 % Strength retained	>80 % Strength retained
	ASTM D4355-1000 hrs (T)	TBA	TBA
	ASTM D4355-2000 hrs (T)	TBA	TBA

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

Product Information		
Product	0.35m ³	0.75m ³
Order Code	05915	2152
Typical Filled Dimensions		
Length	1.30m	1.60m
Width	0.80m	1.20m
Depth	0.25m	0.40m
Filled Mass	600 kg	1,400 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.

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